

1996 State-by-State Assessment of Low-Level Radioactive Wastes Received at Commercial Disposal Sites

***National Low-Level Waste
Management Program***

Ronald L. Fuchs

September 1997

**This report has been reproduced directly from the best
available copy.**

**Available to DOE and DOE contractors from the
Office of Scientific and Technical Information
P.O. Box 62
Oak Ridge, TN 37831
Prices available from
(615) 576-8401, FTS 626-8401**

**Available to the public from the
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Rd.
Springfield, VA 22161**

**1996 STATE-BY-STATE ASSESSMENT
OF LOW-LEVEL RADIOACTIVE WASTES
RECEIVED AT COMMERCIAL
DISPOSAL SITES**

September 1997

**Idaho National Engineering and Environmental Laboratory
Lockheed Martin Idaho Technologies Company
National Low-Level Waste Management Program
Idaho Falls, Idaho 83415-2420**

**Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Restoration
and Waste Management
Under DOE Idaho Operations Office
Contract No. DE-AC07-94ID13223**

ABSTRACT

Each year the National Low-Level Waste Management Program publishes a state-by-state assessment report. This report provides both national and state-specific disposal data on low-level radioactive waste commercially disposed in the United States. Data in this report are categorized according to disposal site, generator category, waste class, volumes, and radionuclide activity. Included in this report are tables showing the distribution of waste by state for 1996 and a comparison of waste volumes and radioactivity by state for 1992 through 1996; also included is a list of all commercial nuclear power reactors in the United States as of December 31, 1996. This report distinguishes between low-level radioactive waste shipped directly for disposal by generators and waste that was handled by an intermediary, a reporting change introduced in the 1988 state-by-state report.

NOTICE

The State-by-State assessment documents for 1993 through 1996 have been made available on the Program's Internet home page at "<http://www.inel.gov/national/national.html>" for your convenience. As of January 1, 1997 these data are presented on the MIMS system at "<http://mims.inel.gov>" through current month.

The information presented in this report is meant to be informative to the reader and provide accurate disposal figures for the commercial low-level radioactive waste being shipped for disposal within the United States. The disposal volumes in this report are presented using cubic foot (ft³) measurement, if the reader prefers cubic meters, divide the reported ft³ number by 35.314. In this year's document, additional comparison graphs for the years 1987 through 1996 have been provided, for your convenience, at the national, compact region, and state levels.

Comments and suggestions as to how this document may better address your needs for information on this subject are welcomed. Comments may be sent to the address listed below:

National Low-Level Waste Management Program
Lockheed Martin Idaho Technologies Company
P.O. Box 1625
Idaho Falls, ID 83415-2420

or

Email "sysdemo@inel.gov"

Page intentionally left blank.

CONTENTS

| | |
|--|-------|
| ABSTRACT | iii |
| 1. INTRODUCTION | 1 |
| 2. 1996 REPORTING METHOD AND SUMMARY | 5 |
| 3. REFERENCES | 9 |
| APPENDIX A–1996 LOW-LEVEL RADIOACTIVE WASTE ASSESSMENTS BY COMPACT REGION AND STATE | A-i |
| INDEX OF STATES | A-iii |
| APPENDIX B–WASTE VOLUME COMPARISON BY STATE, RADIOACTIVITY COMPARISON BY STATE, AND COMMERCIAL NUCLEAR POWER REACTORS IN THE UNITED STATES | B-1 |
| APPENDIX C–STATE RADIATION PROGRAM REPRESENTATIVES | C-1 |

Page intentionally left blank.

1996 STATE-BY-STATE ASSESSMENT OF LOW-LEVEL RADIOACTIVE WASTES RECEIVED AT COMMERCIAL DISPOSAL SITES

1. INTRODUCTION

The National Low-Level Waste Management Program (NLLWMP) has published 18 annual state-by-state assessment reports. These reports provide both national and state-specific disposal data that assist states in the management of low-level radioactive waste (LLW), as specified in the Low-Level Radioactive Waste Policy Act (Public Law 96-573) and the Low-Level Radioactive Waste Policy Amendments Act of 1985 [(LLRWPA) Public Law 99-240].

Over the past 18 years every state has disposed of some quantity of LLW. This waste is generated from a variety of commercial sources, such as

- Government and industrial research
- Generation of electrical power
- Medical diagnostic and therapeutic services
- Various manufacturing processes.

Before publishing the first state-by-state report in 1979, researchers studied the quantities and radioactivity levels of LLW disposed of in the United States. The first report was designed to assist states in extrapolating accurate estimates of disposal rates by separating wastes into four broad categories:

- Government
- Industrial
- Institutional
- Utility.

In 1983, the categories were further refined by establishing more specific categories for Institutional waste. This resulted in five categories, as follows:

- Academic
- Government
- Industrial
- Medical
- Utility.

Currently, commercial disposal sites report actual volumes disposed of for each of these five categories.

The volume of LLW disposed of at commercial disposal sites exceeded 3.7 million cubic feet in 1980. This represents the highest reported annual volume of LLW disposed of during the history of the state-by-state assessment documents. From 1981 through 1990, the volume of LLW being disposed of at commercial disposal sites declined. In 1991 and 1992, the reported volume of LLW received for disposal at commercial sites showed a slight increase. This increase is believed to be the result of the anticipated increase in disposal costs and, in 1992, the anticipated closure on January 1, 1993, of the Barnwell, South Carolina, Beatty, Nevada, and Richland, Washington disposal facilities to “out-of-region” generators. On December 31, 1992, the Beatty, Nevada, site stopped receiving LLW for disposal altogether, and the Richland, Washington, site restricted the LLW received for disposal to the Northwest and Rocky Mountain compact states. The Barnwell, South Carolina, disposal facility continued to receive LLW for disposal by the member states of the Southeast compact and those compact states that had contracts with the Southeast commission through June 1994. On July 1, 1994, the Barnwell site restricted disposal to only member states of the Southeast LLW compact. South Carolina withdrew from the Southeast compact and on July 1, 1995, the Barnwell site began accepting LLW for disposal from all states, with the exception of North Carolina.

In summary, as of July 1, 1996, the only state that is being denied LLW disposal access is North Carolina. The Barnwell, South Carolina, LLW disposal facility is operated by Chem-Nuclear Systems, LLC and is accepting LLW shipments for disposal from all states excluding North Carolina. The Richland, Washington, commercial LLW disposal facility is operated by US Ecology, Inc. and accepts LLW shipments for disposal from only member states of the Northwest and Rocky Mountain compact regions.

The reported 1996 disposal volume was 422,013 cubic feet. A list of the 1996 LLW volumes and radioactivity reported as disposed by state is provided in Table 1. Only five states including Idaho, Montana, North Carolina, Puerto Rico, which is treated as a state under the LLRWPA, and South Dakota reported no LLW shipments in 1996.

The first state-by-state assessment used several data sources. These included U.S. Nuclear Regulatory Commission (NRC) records on nuclear power plant waste shipments,¹ the U.S. Department of Energy Solid Waste Information Management Systems² for information on defense waste shipped to commercial sites, and the University of Maryland (at Baltimore) studies on national institutional waste generation.^{3,4} Since its initial publication, this report has been modified and expanded as more detailed state information became available from the disposal sites. Results from generator surveys and feedback from state officials continue to improve understanding of the sources of LLW and the quality of the data.

Data in this report has been reviewed by representatives of individual states’ radiation control programs prior to release. A list of state radiation control program representatives is provided for the reader’s convenience in Appendix C.

Table 1. 1996 waste distribution by state as reported by disposal site operators.

| States | Volume (ft ³) | Activity (curies) |
|----------------------------|------------------------------|----------------------|
| Alabama | 9,267.12 | 22,281.20 |
| Alaska | 10.20 | 603.00 |
| Arizona | 9,329.27 | 16.09 |
| Arkansas | 571.42 | 303.22 |
| Army Out U.S. ^a | 65.50 | 133.46 |
| California | 12,070.78 | 3,474.76 |
| Colorado | 4,671.74 | 76.65 |
| Connecticut | 10,920.12 | 3,088.11 |
| Delaware | 127.16 | 5.61 |
| Dis Of Columbia | 164.80 | .47 |
| Florida | 6,220.33 | 1,417.70 |
| Georgia | 13,405.88 | 122,519.67 |
| Hawaii | 1,572.03 | 1.06 |
| Idaho | 0 | 0 |
| Illinois | 51,771.22 | 57,328.05 |
| Indiana | 328.98 | 9.61 |
| Iowa | 3,639.22 | 552.04 |
| Kansas | 1,185.15 | 3,995.76 |
| Kentucky | 441.83 | 462.29 |
| Louisiana | 5,377.80 | 799.47 |
| Maine | 3,499.40 | 477.12 |
| Maryland | 3,391.05 | 349.13 |
| Massachusetts | 10,756.09 | 16,627.51 |
| Michigan | 24,951.04 | 41,906.96 |
| Minnesota | 3,215.22 | 1,406.00 |
| Mississippi | 5,600.72 | 2,817.54 |
| Missouri | 2,916.99 | 150.40 |
| Montana | 0 | 0 |
| Nebraska | 5,013.28 | 32,750.85 |
| Nevada | 117.70 | 2.35 |
| New Hampshire | 2.32 | <.01 |
| New Jersey | 15,805.16 | 906.65 |

a. Army Out U.S. = U.S. owned military bases located outside the continental United States.

Table 1. (continued).

| States | Volume (ft ³) | Activity (curies) |
|----------------|------------------------------|----------------------|
| New Mexico | 49.90 | 3.89 |
| New York | 16,228.39 | 1,312.36 |
| North Carolina | 0 | 0 |
| North Dakota | 4.10 | .03 |
| Ohio | 7,090.83 | 50,021.21 |
| Oklahoma | 151.70 | .43 |
| Oregon | 52,082.40 | 356.74 |
| Pennsylvania | 24,154.38 | 71,900.54 |
| Puerto Rico | 0 | 0 |
| Rhode Island | 91.13 | .29 |
| South Carolina | 10,273.10 | 2,347.13 |
| South Dakota | 0 | 0 |
| Tennessee | 41,312.95 | 644.86 |
| Texas | 4,886.60 | 3,941.45 |
| Utah | 4,924.50 | .26 |
| Vermont | 562.60 | 45.77 |
| Virginia | 17,663.13 | 10,375.11 |
| Washington | 33,696.09 | 630.63 |
| West Virginia | 34.77 | .11 |
| Wisconsin | 2,396.65 | 153.07 |
| Wyoming | .50 | 13.21 |
| TOTAL | 422,013.24 | 456,209.81 |

2. 1996 REPORTING METHOD AND SUMMARY

The data for the 1996 state-by-state assessment report were developed from the Department of Energy's Manifest Information Management System with data originating from the LLW shipment manifests recorded at the two commercial LLW disposal sites located at Barnwell, South Carolina; and Richland, Washington.^{a,b} This information is presented in Appendix A with expanded graphics.

Reports generated for 1979 through 1987 in this series have attributed waste that was processed or consolidated into larger shipments at intermediate waste management facilities to the states in which those facilities were located. The report generated for 1988 and subsequent years attributes waste volume, activity, and generator type by source to the original state in which it was generated, even where brokered shipments included waste originally generated in more than one state. This change in reporting method was made possible because of changes in the manifesting requirements for brokered shipments at the sited states. The waste volumes for states such as Tennessee, where a significant volume of waste is processed through several large waste management facilities, were the most notably affected.

Due to the change in reporting methods, which began in 1988, it became necessary to make a distinction between LLW shipments shipped directly from the generator to the disposal site and those LLW shipments that were shipped through an intermediary. The new reporting method required intermediary waste handlers to associate LLW by volume and activity to the generator and state of origin. This requirement, however, does not require an association of generator and state for information relating to the specific waste radionuclide or waste classification. For this reason, two classifications of waste shipments have been maintained in this report since 1988:

- Nondirect: Shipments from the generator to the disposal facility through an intermediary
- Direct: Shipments that did not involve an intermediary.

In 1996, approximately 45%, or 185,285 cubic feet, of all LLW shipped for disposal was categorized as Nondirect.

The data are arranged to allow the reader to locate information by area of interest, ranging from total commercial LLW disposed within the United States to LLW disposed by a specific state.

The information presented covers the distribution of LLW by

- Volume
- Activity
- Waste classification
- Waste generator type
- Disposal site
- Waste that has been subject to intermediate handling.

a. Data obtained from Chem-Nuclear Systems, LLC, for the Barnwell, South Carolina, LLW disposal site through subcontract number C87-131476-M7.

b. Data obtained from U.S. Ecology, Inc., for the LLW disposal sites located in Beatty, Nevada, and Richland, Washington, through subcontract number C91-133053-M3.

Waste generator categories are

- Academic
- Government
- Industrial
- Medical
- Utility.

The utility category includes commercial nuclear power reactors. The academic category includes university hospitals and university medical and nonmedical research facilities. Medical generators include hospitals and clinics, research facilities, and private medical offices. The industrial category encompasses private entities such as research and development companies, manufacturers, nondestructive testing, mining, fuel fabrication facilities, and radiopharmaceutical manufacturers. The government category includes state and federal agencies.

Appendix B contains a comparison of LLW disposal volumes by state for the most recent 5-year period, a comparison of the radioactivity of LLW disposed by State for the most recent 5-year period, and a complete list of the commercial nuclear power reactors located in the United States as of December 31, 1996.

A review of the data found in this report will show that in 1996 commercial LLW disposal facilities received a total volume of 422,104 cubic feet of waste containing an activity of 456,211 curies. Waste distribution by disposal site is presented in Table 2; Tables 3 and 4 provide information concerning the typical radionuclide and waste forms associated with commercial LLW.

Table 2. Distribution of low-level radioactive waste received at disposal sites in 1996.

| Site | Volume (ft ³) | Percent of Total | Activity (curies) | Percent of Total |
|----------|------------------------------|---------------------|----------------------|---------------------|
| Barnwell | 325,561 | 77 | 455,214 | 99.8 |
| Richland | 96,453 | 23 | 997 | .2 |
| Total | 422,104 | 100 | 456,211 | 100 |

Table 3. Radionuclides received through direct and nondirect low-level radioactive waste shipments at commercial disposal sites in 1996. The top 20 radionuclides are listed from highest to lowest activity levels (based on curie count).

| Nondirect | Utility | Academic | Medical | Industrial | Government |
|-----------|---------|----------|---------|------------|------------|
| H-3 | Fe-55 | Co-60 | Cs-137 | Co-60 | H-3 |
| Fe-55 | Co-60 | H-3 | Au-195 | H-3 | Fe-55 |
| Co-60 | Ni-63 | C-14 | Co-57 | Fe-55 | Co-60 |
| Zn-65 | Mn-54 | S-35 | Ra-226 | Cs-137 | Ni-63 |
| Ni-63 | Hf-181 | Cr-51 | | Ni-63 | Co-58 |
| Mn-54 | Cs-137 | I-125 | | Sr-90 | Mn-54 |
| Cs-137 | Co-58 | Fe-59 | | C-14 | C-14 |
| C-14 | Cr-51 | Ca-45 | | Ni-59 | Zn-65 |
| Co-58 | Zn-65 | Zn-65 | | Mn-54 | Ni-59 |
| Cr-51 | Cs-134 | P-32 | | Pu-241 | S-35 |
| Cs-134 | H-3 | Ni-63 | | Zn-65 | Cs-137 |
| Sr-89 | Sb-125 | Na-22 | | Ra-226 | Sr-90 |
| Zr-95 | C-14 | Co-57 | | Sb-125 | Nb-94 |
| Nb-95 | Fe-59 | Cl-36 | | Cr-51 | Cr-51 |
| Ag-110m | Ag-110m | U-238 | | Ag-110m | I-125 |
| Fe-59 | Ni-59 | Y-90 | | U-238 | Ag-110 |
| Sb-125 | Be-7 | Am-241 | | Am-241 | Fe-59 |
| S-35 | Co-57 | Eu-155 | | Tc-99 | Cl-36 |
| Ce-144 | Ce-144 | Sn-113 | | Ba-137m | Se-75 |
| Kr-85 | Ba-140 | Tc-99m | | Te-125m | Co-57 |

Table 4. Typical waste forms by generator categories.⁵

Academic

Compacted trash or solids
Institutional laboratory or biological waste
Absorbed liquids
Animal carcasses

Government

Compacted trash or solids
Contaminated plant hardware
Absorbed liquids

Industrial

Depleted uranium
Compacted trash or solids
Contaminated plant hardware
Absorbed liquids
Sealed sources

Medical

Compacted trash or solids
Institutional laboratory or biological waste
Absorbed liquids
Sealed sources

Utilities

Spent resins
Evaporator bottoms and concentrated waste
Filter sludge
Dry compressible waste
Irradiated components
Contaminated plant hardware

3. REFERENCES

1. U.S. Nuclear Regulatory Commission, "Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light Water Cooled Nuclear Power Plants," Regulatory Guide 1.21, Revision 1, June 1974.
2. U.S. Department of Energy, Washington, D.C., "Solid Waste Information Management System (SWIMS)-Actual Solid Waste Generated for Fiscal Year 1979," February 22, 1980.
3. R. L. Anderson, L. R. Cooley, T. J. Beck, C. S. Strauss, *Institutional Radioactive Waste*, NUREG/CR-0028, Radiation Safety Office, University of Maryland at Baltimore, March 1978.
4. T. J. Beck, L. R. Cooley, M. R. McCampbell, *Institutional Radioactive Wastes-1977*, Radiation Safety Office, University of Maryland at Baltimore (draft), June 1979.
5. Conference of Radiation Control Program Directors, Inc., Low-Level Radioactive Waste Management Survey Summary, 1984.

APPENDIX A

**1996 LOW-LEVEL RADIOACTIVE WASTE ASSESSMENTS BY
COMPACT REGION AND STATE**

The volume and activity totals on the following pages may not sum exactly due to computer-generated rounding.

INDEX OF STATES

| | |
|----------------------------|-------|
| Alabama | A-80 |
| Alaska | A-54 |
| Arizona | A-96 |
| Arkansas | A-16 |
| Army Out U.S. | A-106 |
| California | A-98 |
| Colorado | A-72 |
| Connecticut | A-48 |
| Delaware | A-6 |
| District of Columbia | A-108 |
| Florida | A-82 |
| Georgia | A-84 |
| Hawaii | A-56 |
| Idaho | A-58 |
| Illinois | A-28 |
| Indiana | A-34 |
| Iowa | A-36 |
| Kansas | A-18 |
| Kentucky | A-30 |
| Louisiana | A-20 |
| Maine | A-110 |
| Maryland | A-8 |
| Massachusetts | A-112 |
| Michigan | A-114 |
| Minnesota | A-38 |
| Mississippi | A-86 |
| Missouri | A-40 |
| Montana | A-60 |
| Nebraska | A-22 |
| Nevada | A-74 |
| New Hampshire | A-116 |
| New Jersey | A-50 |
| New Mexico | A-76 |
| New York | A-118 |
| North Carolina | A-88 |
| North Dakota | A-100 |
| Ohio | A-42 |
| Oklahoma | A-24 |
| Oregon | A-62 |
| Pennsylvania | A-10 |
| Puerto Rico | A-105 |
| Rhode Island | A-120 |
| South Carolina | A-122 |
| South Dakota | A-102 |
| Tennessee | A-90 |
| Texas | A-124 |
| Utah | A-64 |

INDEX OF STATES

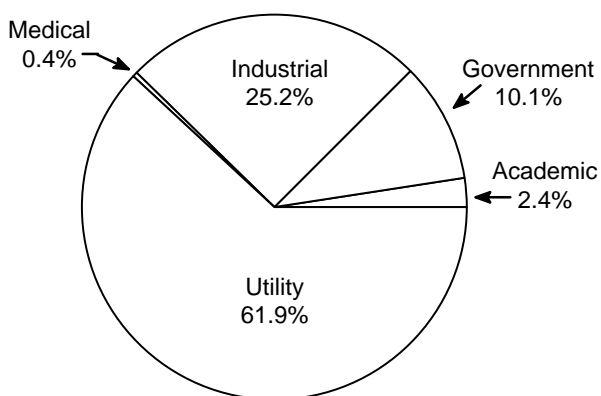
| | |
|---------------------|-------|
| Vermont | A-126 |
| Virginia | A-92 |
| Washington | A-66 |
| West Virginia | A-12 |
| Wisconsin | A-44 |
| Wyoming | A-68 |

UNITED STATES

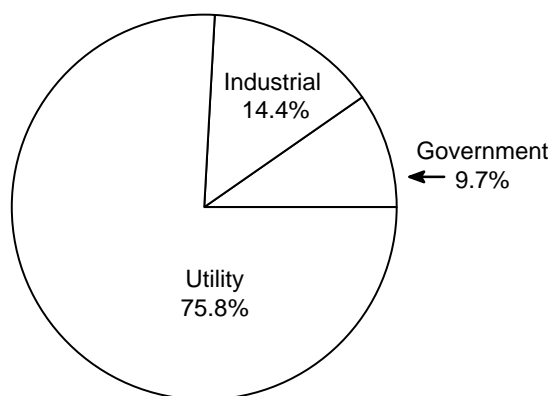
Low-Level Radioactive Wastes Received at Commercial Disposal Sites^a in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 9,994.41 | 48.54 |
| Government | 42,623.44 | 44,368.74 |
| Industrial | 106,562.83 | 65,833.52 |
| Medical | 1,628.52 | 8.83 |
| Utility | 261,204.04 | 345,950.19 |
| Total | 422,013.24 | 456,209.81 |

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



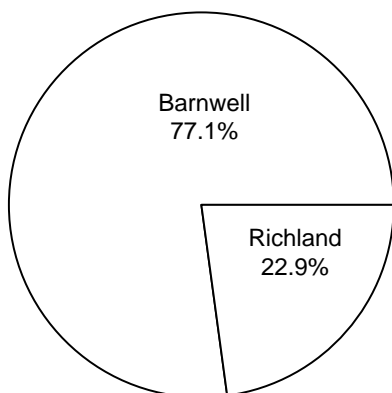
a. Data in this and all succeeding pages in Appendix A were provided by the Department of Energy's Manifest Information Management System. Data originated with Chem Nuclear Systems, LLC and U.S. Ecology, Inc.

UNITED STATES

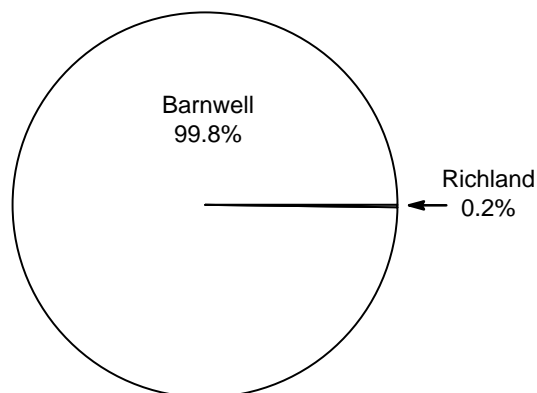
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|---------------|---------------------------|-------------------|
| Barnwell | 325,560.62 | 455,213.81 |
| Richland | 96,452.62 | 997.01 |
| Total | 422,103.24 | 456,210.82 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



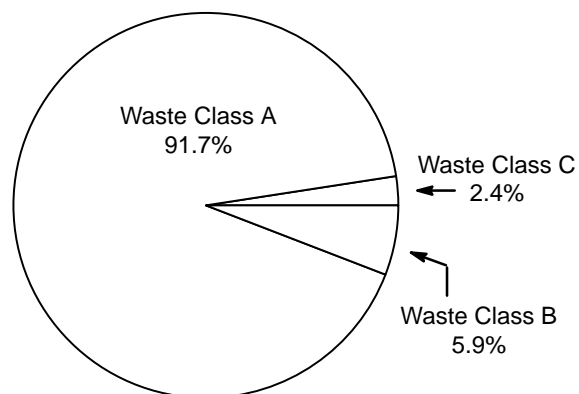
ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
UNITED STATES TOTAL**
(Percentages <.1% are not displayed)

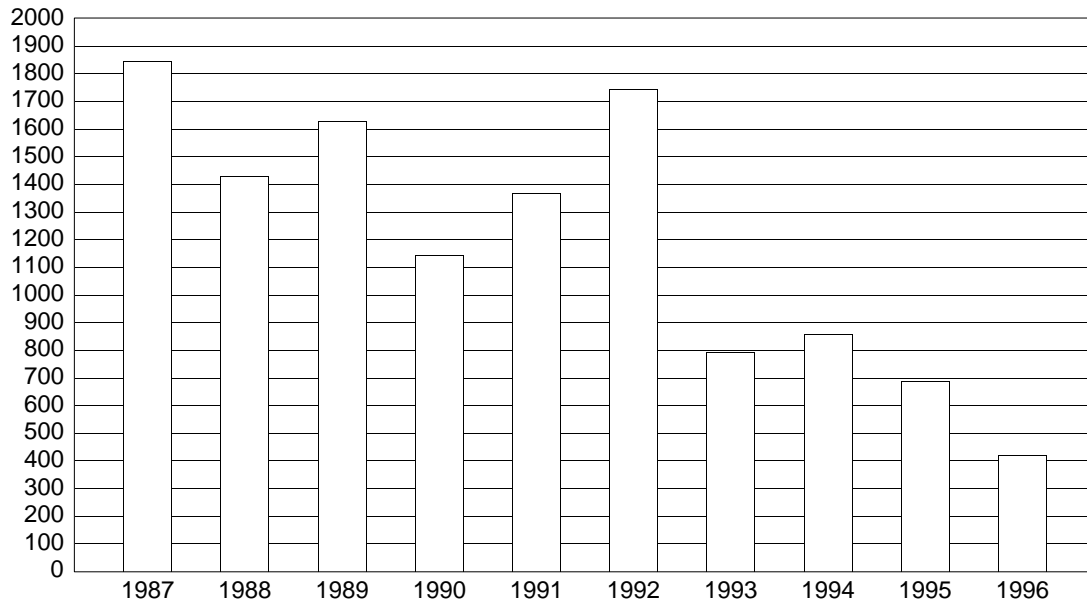
United States Total
Distribution By
Waste Class

| | Volume (ft ³) |
|-------------------------|---------------------------|
| A | 387,097.38 |
| B | 24,889.90 |
| C | 10,115.96 |
| Total | 422,103.24 |
| Total Activity (curies) | 456,210.82 |

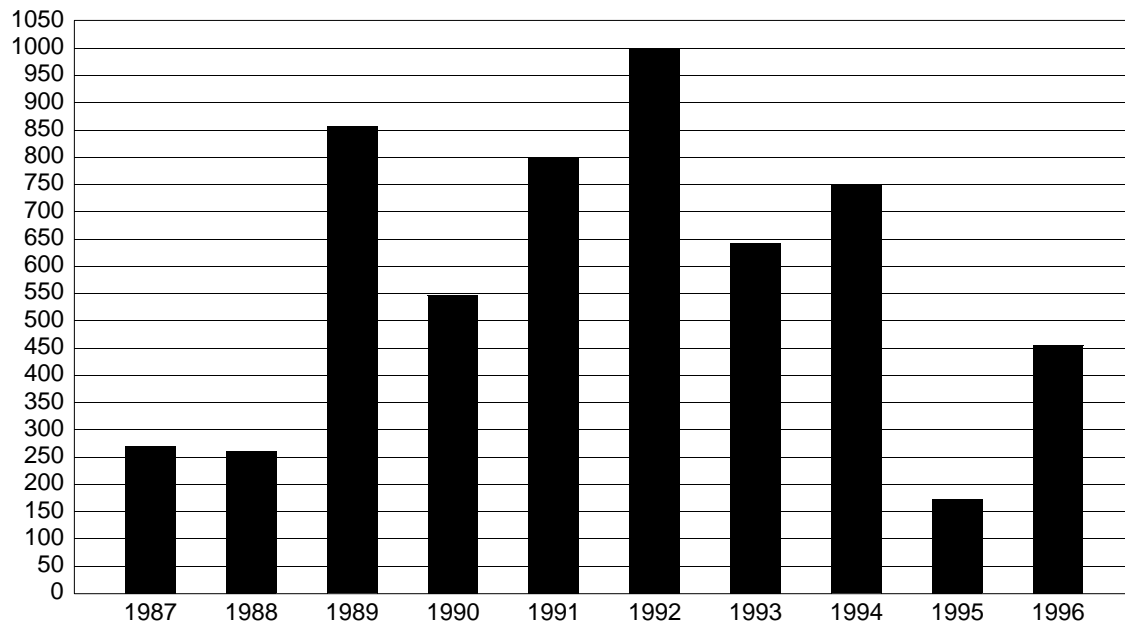


UNITED STATES Comparison By Year

Volumes in Cubic Feet x 1000



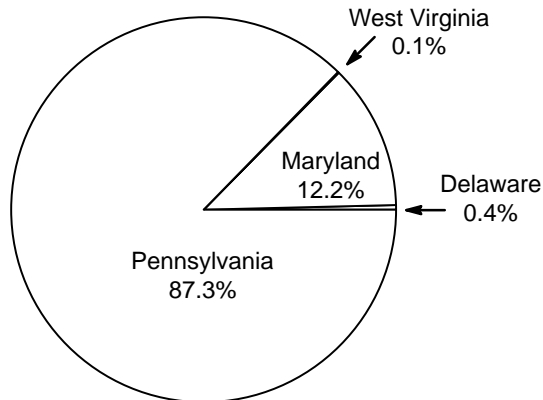
Activities in Curies x 1000



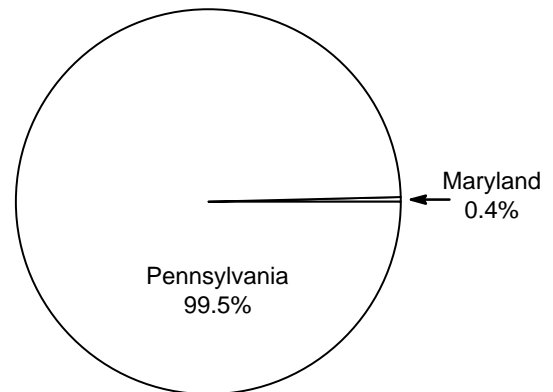
APPALACHIAN COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| States | Volume (ft ³) | Activity (curies) |
|---------------|------------------------------|----------------------|
| Delaware | 127.16 | 5.61 |
| Maryland | 3,391.05 | 349.13 |
| Pennsylvania | 24,154.38 | 71,900.54 |
| West Virginia | 34.77 | .11 |
| Total | 27,707.36 | 72,255.39 |

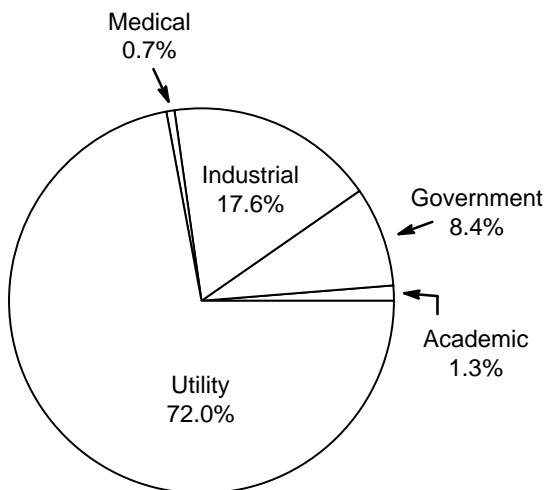
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



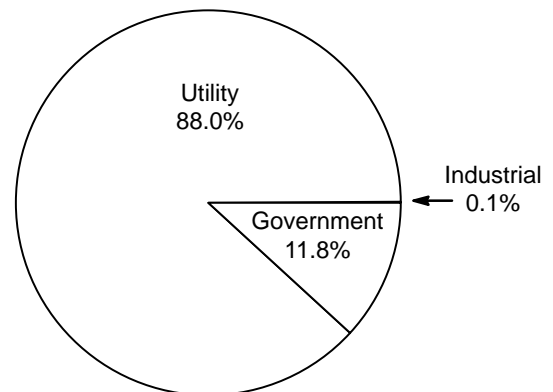
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



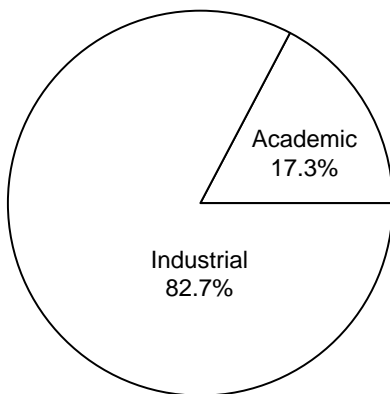
ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



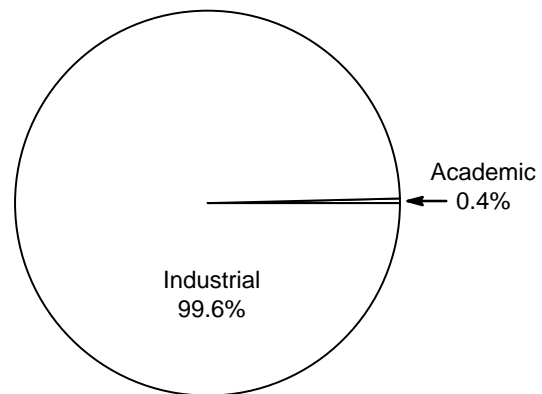
DELAWARE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 22.05 | .02 |
| Industrial | 105.11 | 5.59 |
| Total | 127.16 | 5.61 |

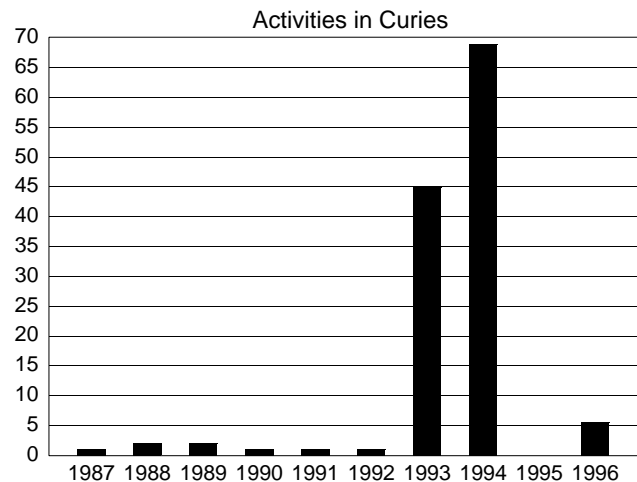
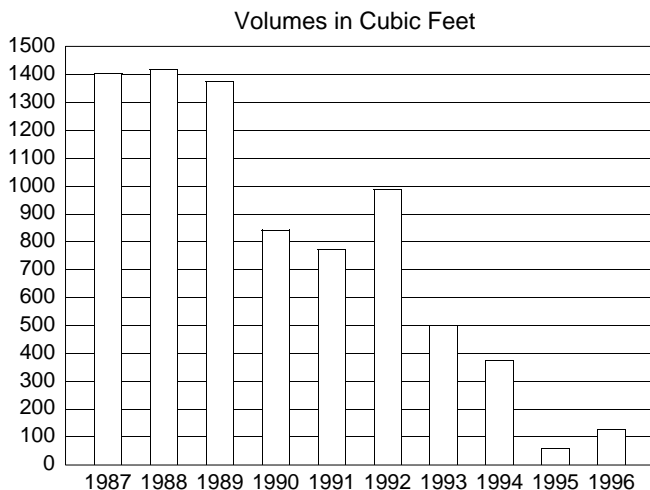
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



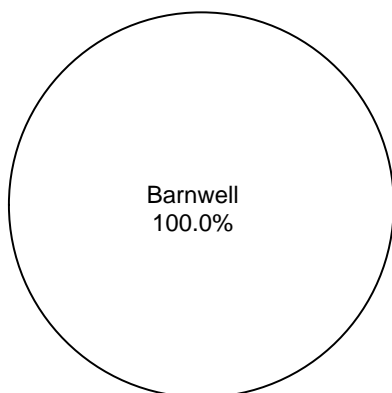
COMPARISON BY YEAR



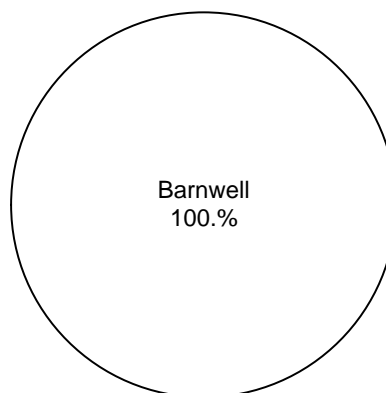
DELAWARE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>127.16</u> | <u>5.61</u> |
| Total | 127.16 | 5.61 |

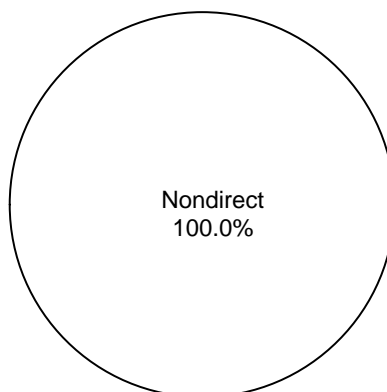
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE
(Percentages <.1% are not displayed)

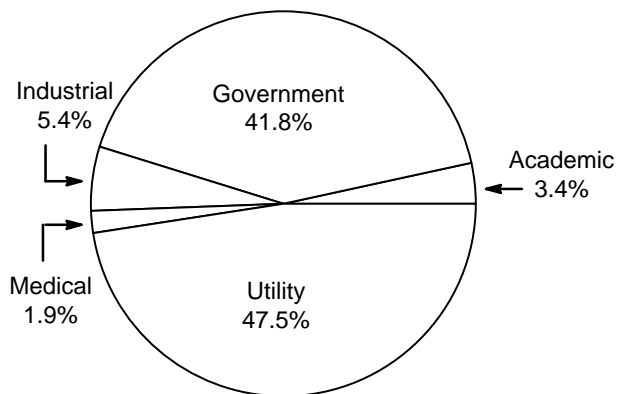


MARYLAND

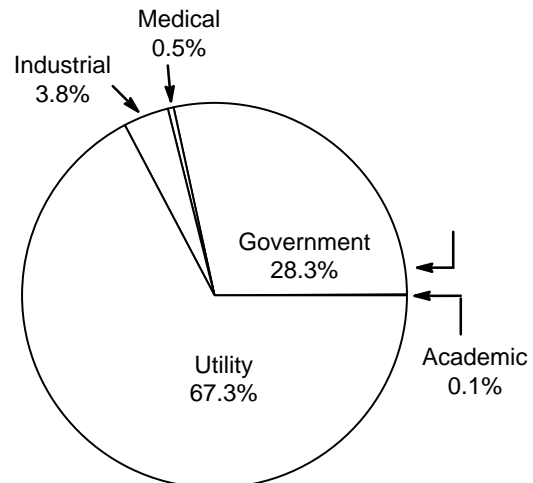
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 115.50 | 0.34 |
| Government | 1,415.90 | 98.76 |
| Industrial | 183.55 | 13.42 |
| Medical | 66.40 | 1.58 |
| Utility | 1,609.70 | 235.02 |
| Total | 3,391.05 | 349.13 |

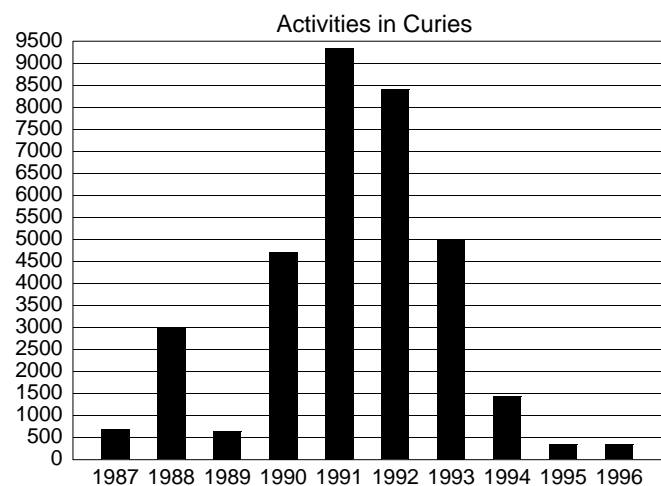
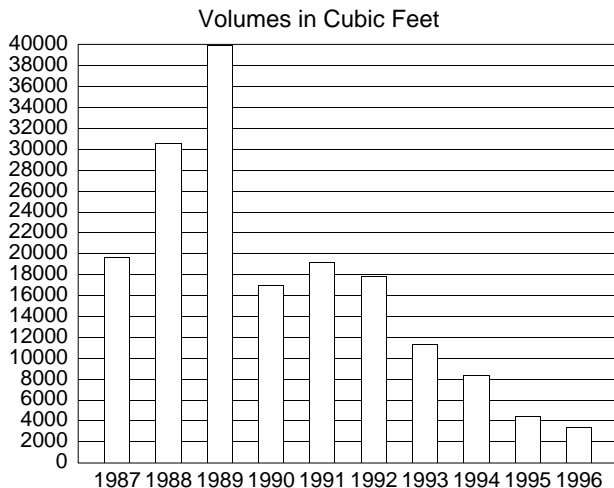
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

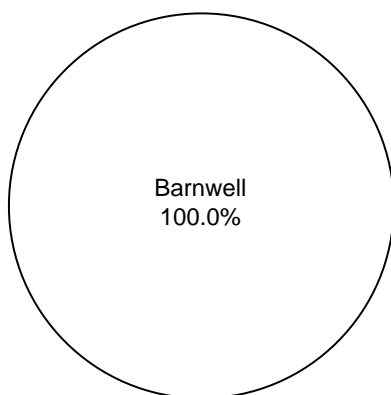


MARYLAND

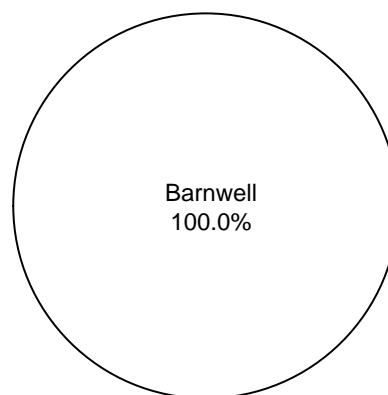
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 3,391.05 | 349.13 |
| Total | 3,391.05 | 349.13 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

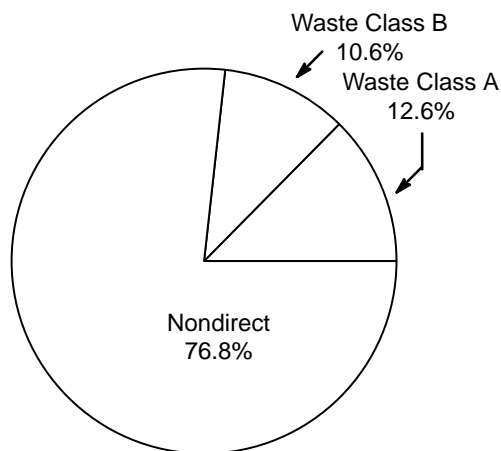


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 428.60 |
| B | 360.90 |
| C | 0 |
| Total | 789.50 |
| Nondirect Shipments | 2,601.55 |
| Total Volume | 3,391.05 |
| Total Activity (curies) | 349.13 |

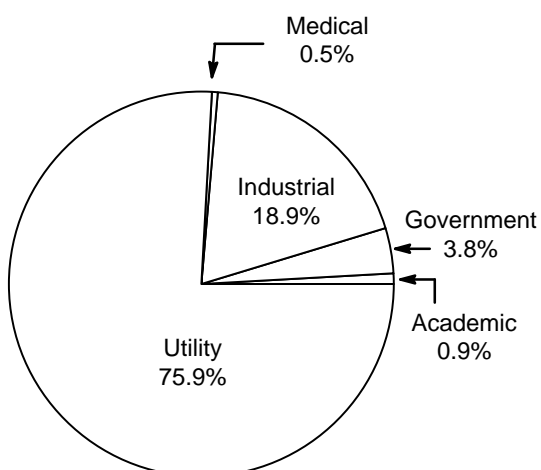


PENNSYLVANIA

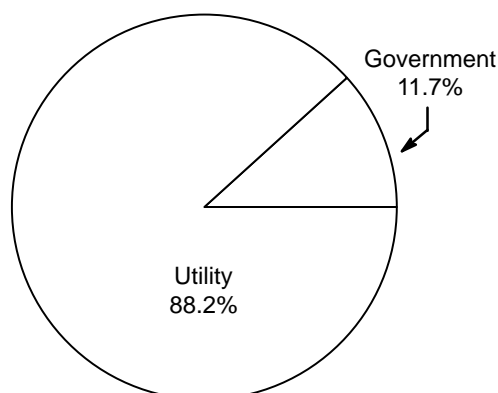
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 220.30 | 8.43 |
| Government | 911.28 | 8,429.07 |
| Industrial | 4,570.61 | 62.89 |
| Medical | 125.51 | 0.47 |
| Utility | 18,326.68 | 63,399.68 |
| Total | 24,154.38 | 71,900.54 |

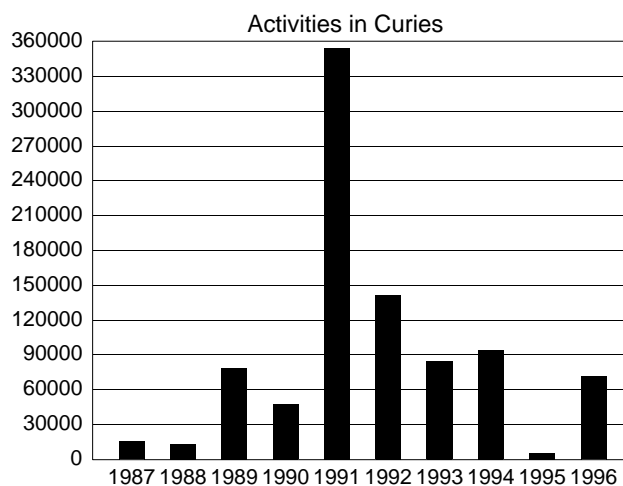
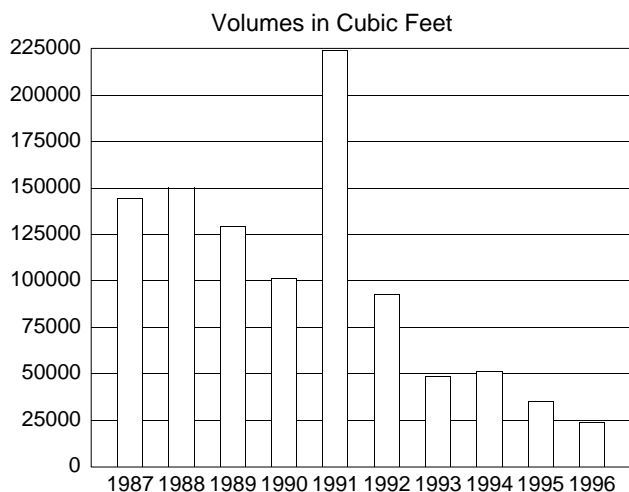
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

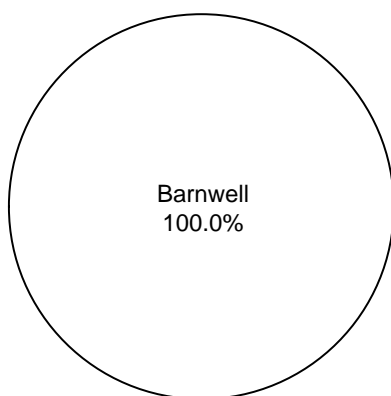


PENNSYLVANIA

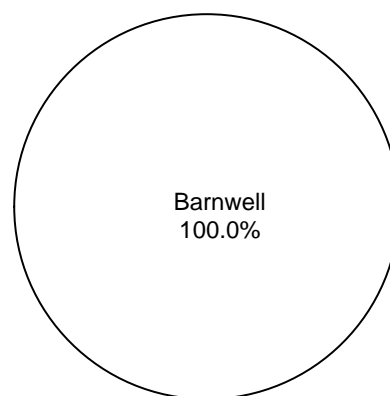
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | 24,154.38 | 71,900.54 |
| Total | 24,154.38 | 71,900.54 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

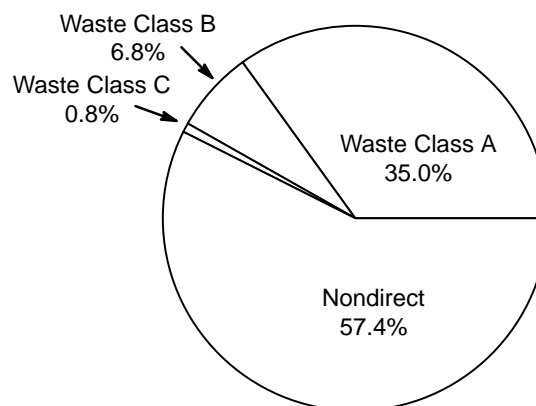


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 8,461.00 |
| B | 1,634.80 |
| C | 198.70 |
| Total | 10,294.50 |
| Nondirect Shipments | 13,859.80 |
| Total Volume | 24,154.38 |
| Total Activity (curies) | 71,900.54 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

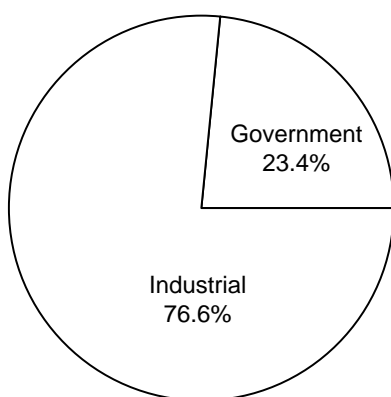


WEST VIRGINIA

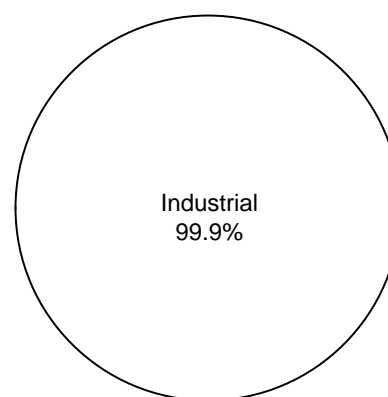
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 8.14 | <.1 |
| Industrial | 26.63 | .11 |
| Total | 34.77 | .11 |

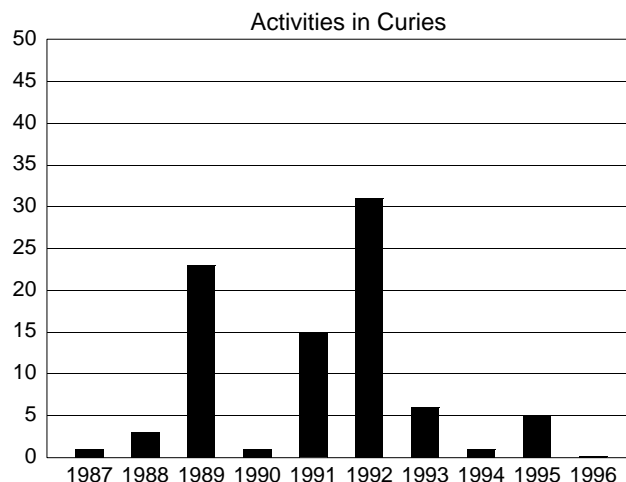
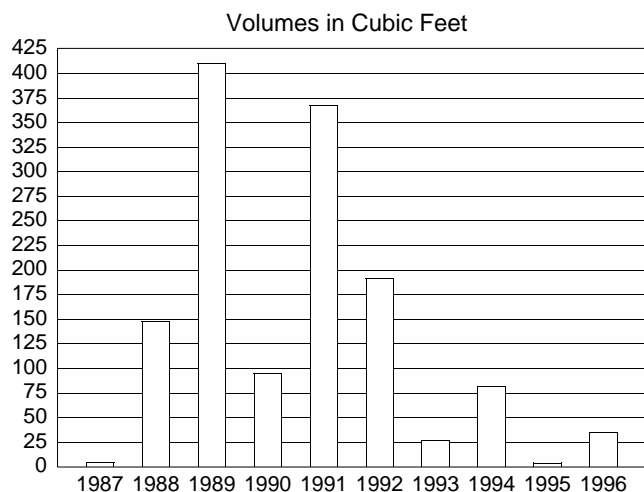
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

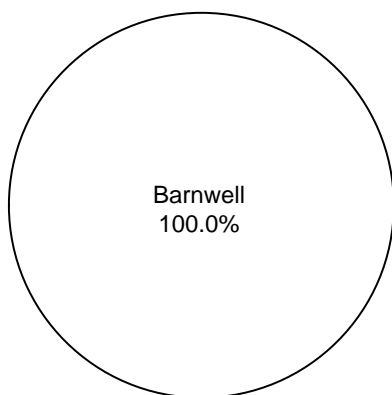


WEST VIRGINIA

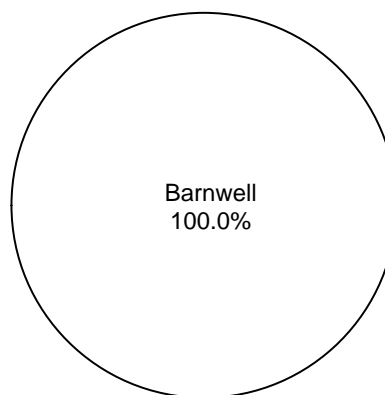
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 34.77 | .11 |
| Total | 34.77 | .11 |

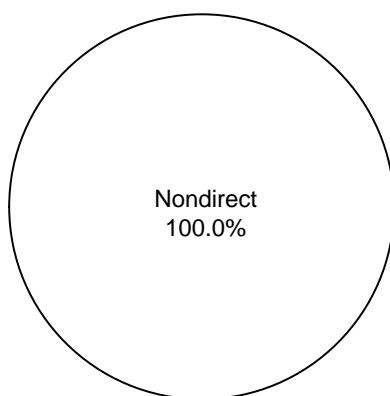
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



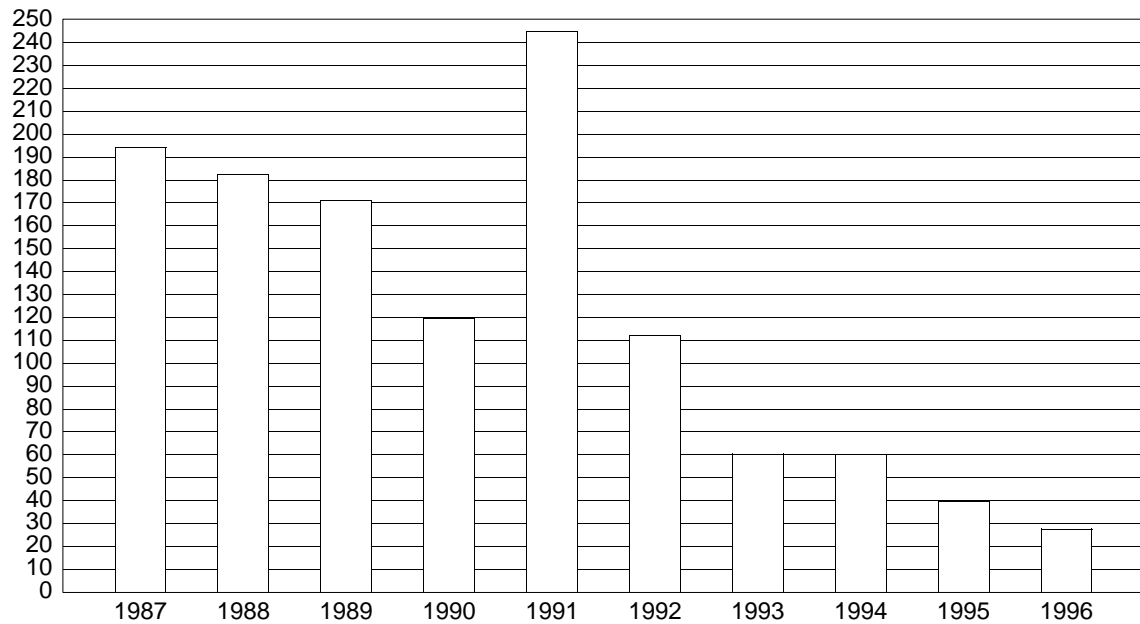
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



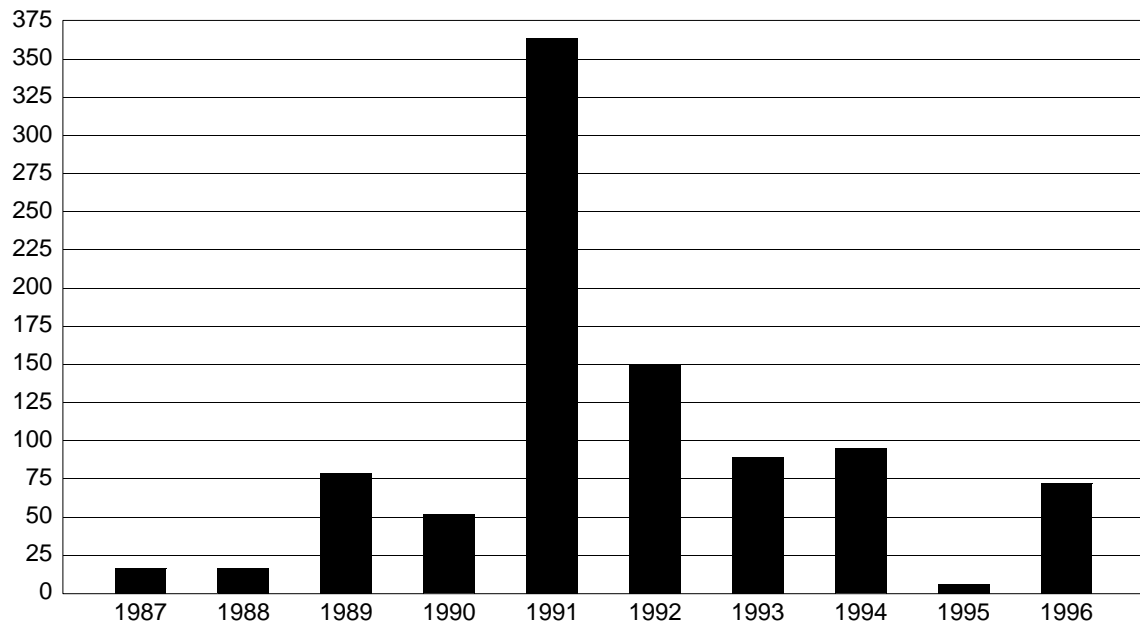
APPALACHIAN COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Appalachian compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

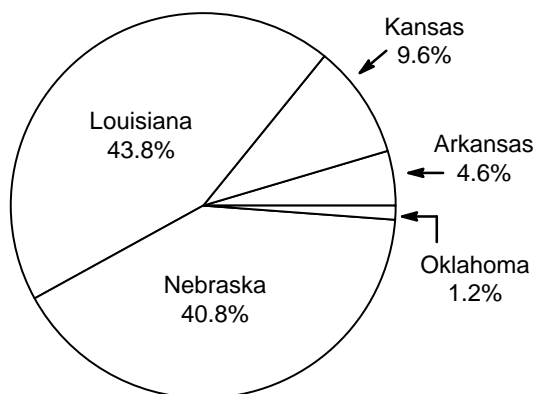


CENTRAL COMPACT

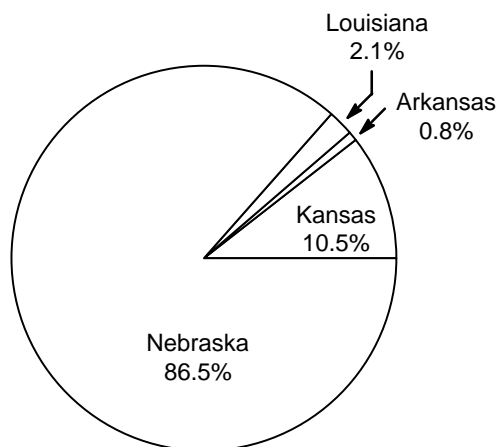
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|-----------|------------------------------|----------------------|
| Arkansas | 571.42 | 303.22 |
| Kansas | 1,185.15 | 3,995.76 |
| Louisiana | 5,377.80 | 799.47 |
| Nebraska | 5,013.28 | 32,750.85 |
| Oklahoma | 151.70 | .43 |
| Total | 12,299.35 | 37,849.73 |

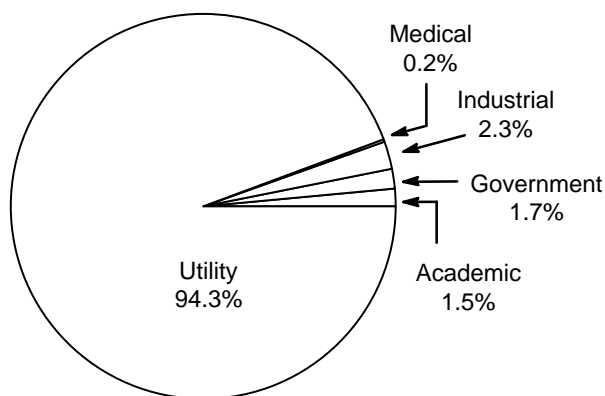
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



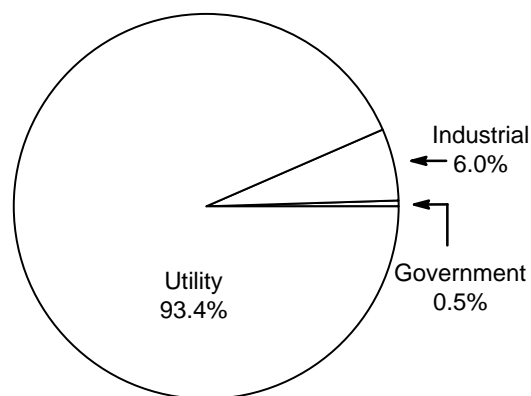
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

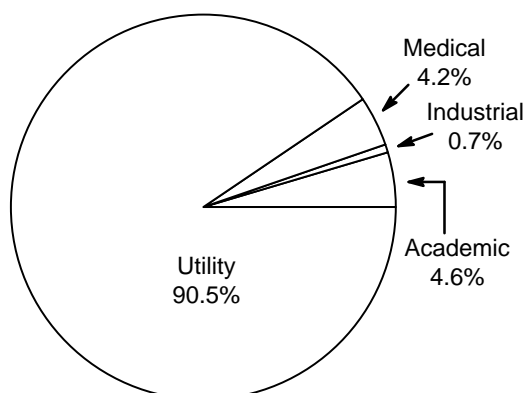


ARKANSAS

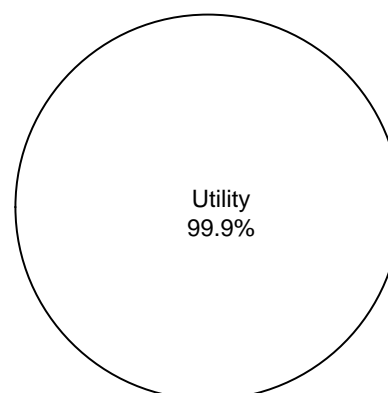
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 26.10 | .08 |
| Industrial | 4.12 | .20 |
| Medical | 23.90 | <.01 |
| Utility | 517.30 | 302.94 |
| Total | 571.42 | 303.22 |

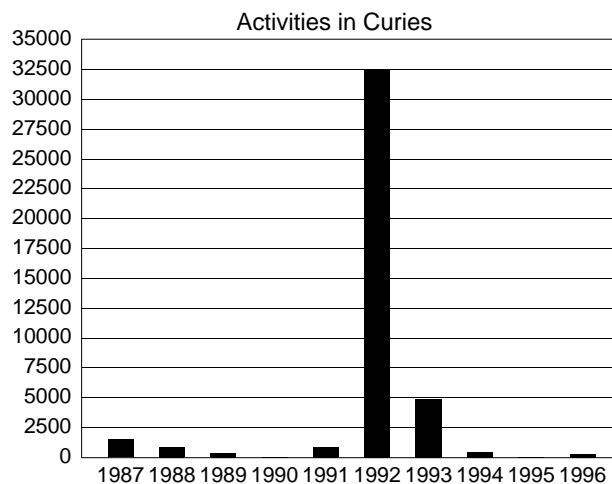
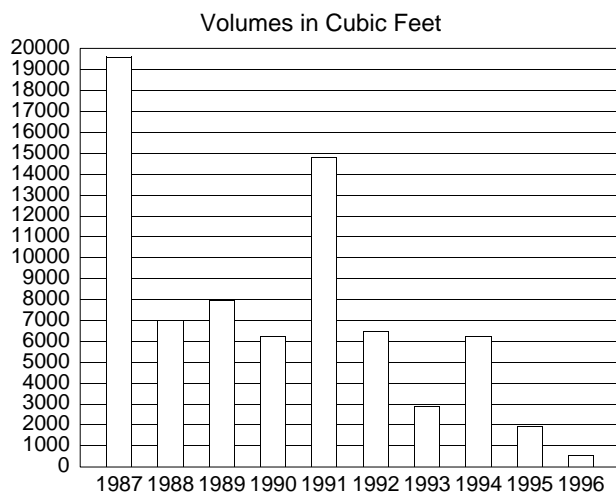
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

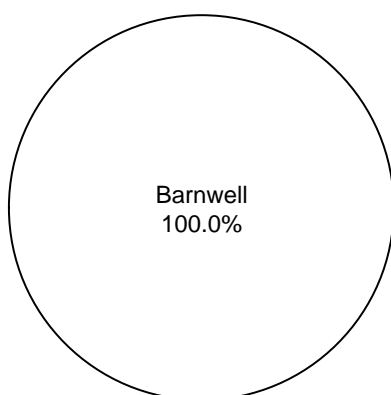


ARKANSAS

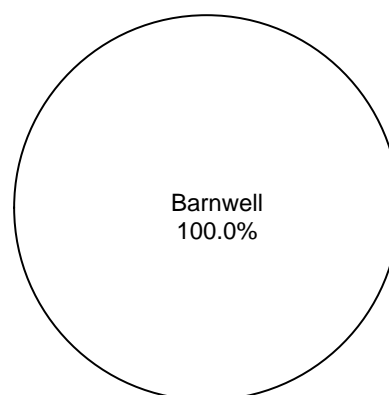
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 571.42 | 303.22 |
| Total | 571.42 | 303.22 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

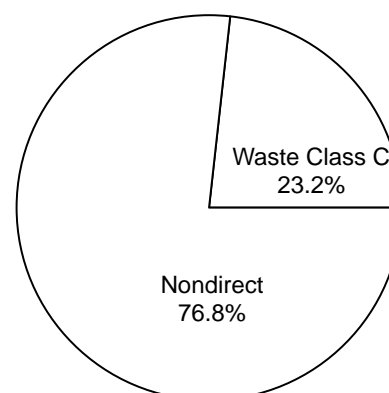


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 0 |
| B | 0 |
| C | 132.40 |
| Total | 132.40 |
| Nondirect Shipments | 439.02 |
| Total Volume | 571.42 |
| Total Activity (curies) | 303.22 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

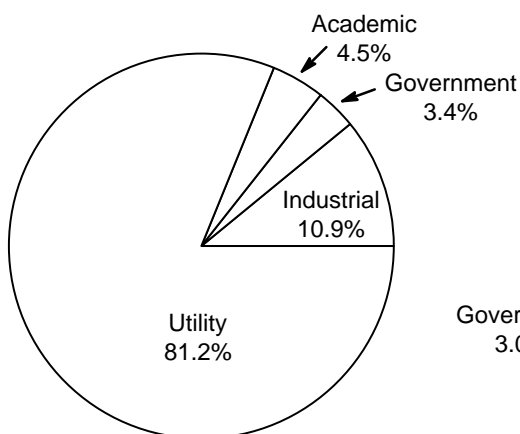


KANSAS

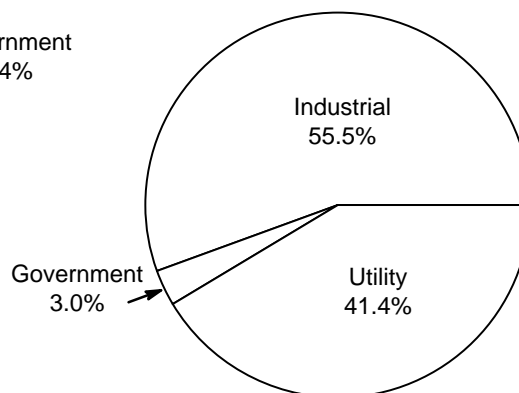
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 53.68 | .28 |
| Government | 40.70 | 120.29 |
| Industrial | 128.67 | 2,216.62 |
| Utility | 962.10 | 1,658.57 |
| Total | 1,185.15 | 3,995.76 |

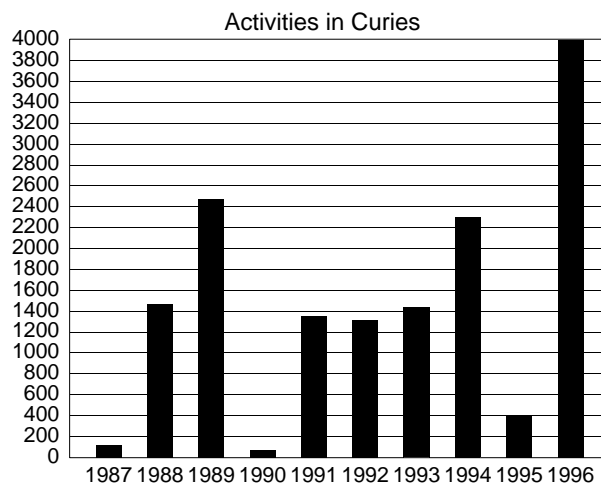
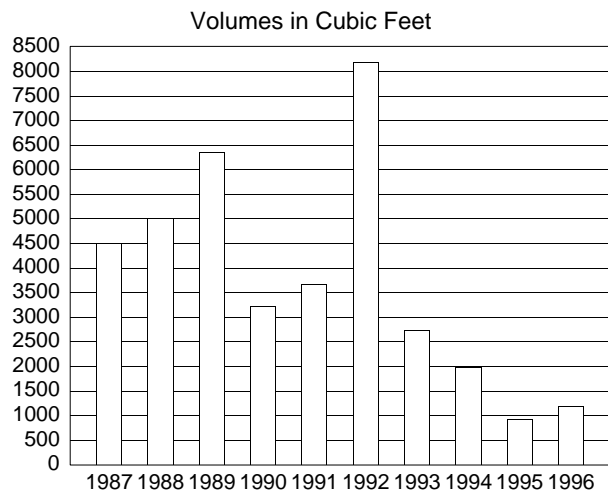
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

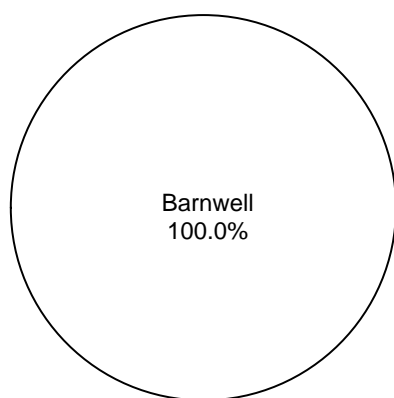


KANSAS

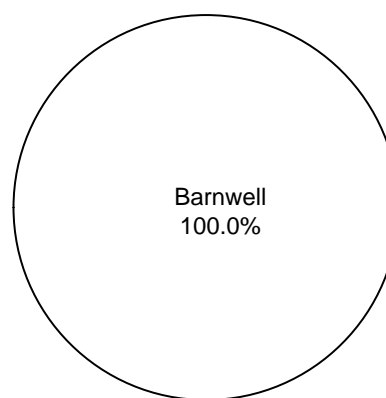
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 1,185.15 | 3,995.76 |
| Total | 1,185.15 | 3,995.76 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

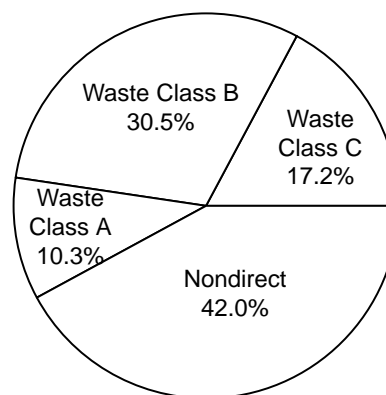


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 122.47 |
| B | 360.90 |
| C | 203.70 |
| Total | 687.07 |
| Nondirect Shipments | 498.08 |
| Total Volume | 1,185.15 |
| Total Activity (curies) | 3,995.76 |

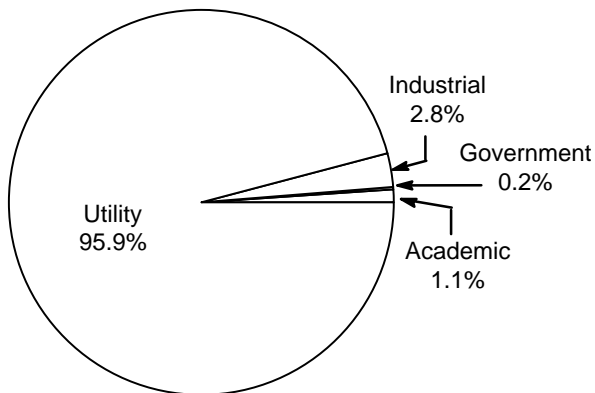


LOUISIANA

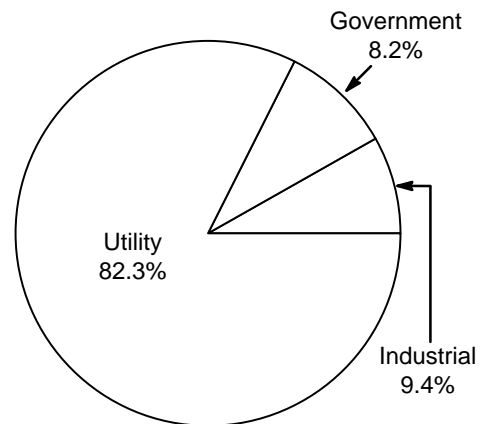
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 57.90 | 0.05 |
| Government | 11.50 | 65.57 |
| Industrial | 152.00 | 75.25 |
| Utility | 5,156.40 | 658.60 |
| Total | 5,377.80 | 799.47 |

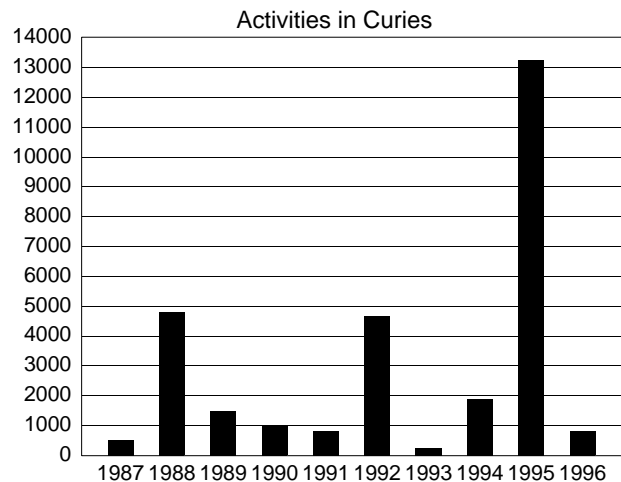
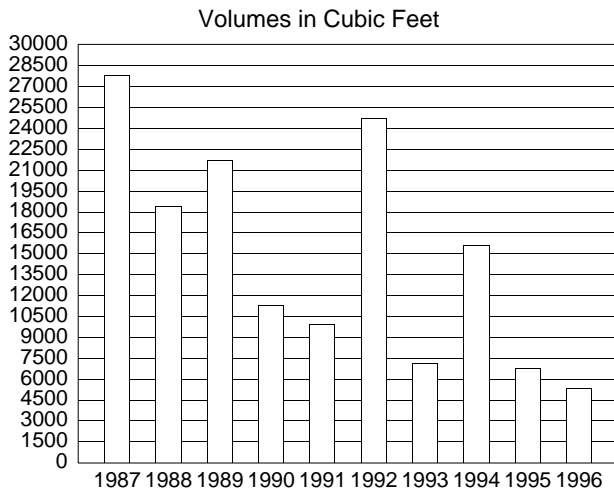
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

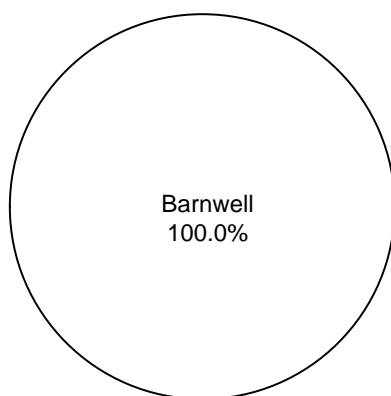


LOUISIANA

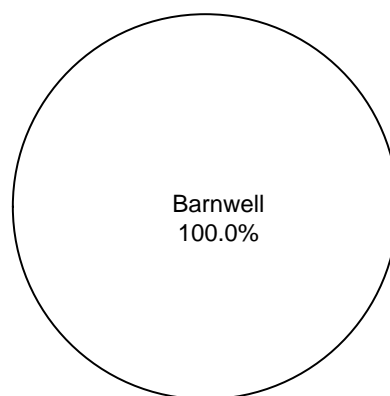
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>5,377.80</u> | <u>799.47</u> |
| Total | 5,377.80 | 799.47 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

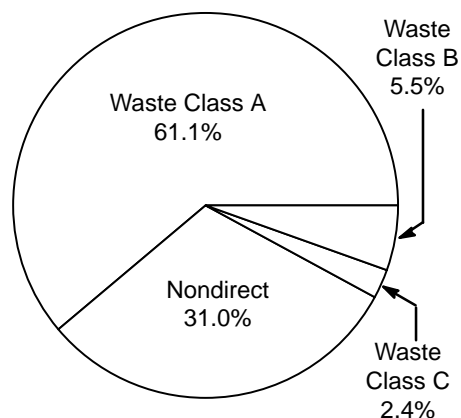


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 3,285.40 |
| B | 294.60 |
| C | <u>132.40</u> |
| Total | 3,712.40 |
| Nondirect Shipments | <u>1,665.40</u> |
| Total Volume | 5,377.80 |
| Total Activity (curies) | 799.47 |

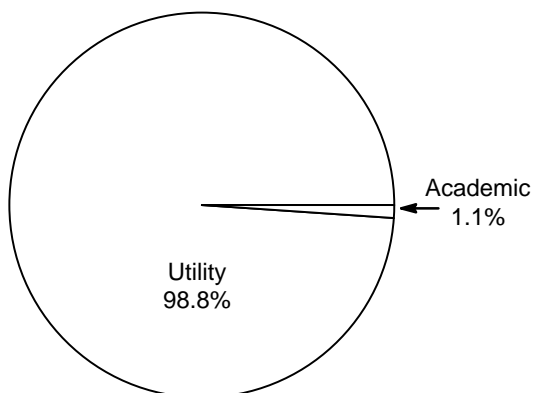


NEBRASKA

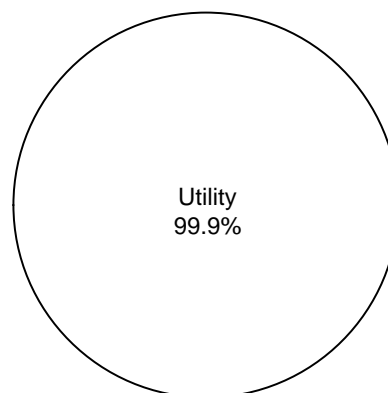
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 52.58 | 0.14 |
| Government | 4.00 | 7.34 |
| Industrial | .30 | <.01 |
| Utility | 4,956.40 | 32,743.38 |
| Total | 5,013.28 | 32,750.85 |

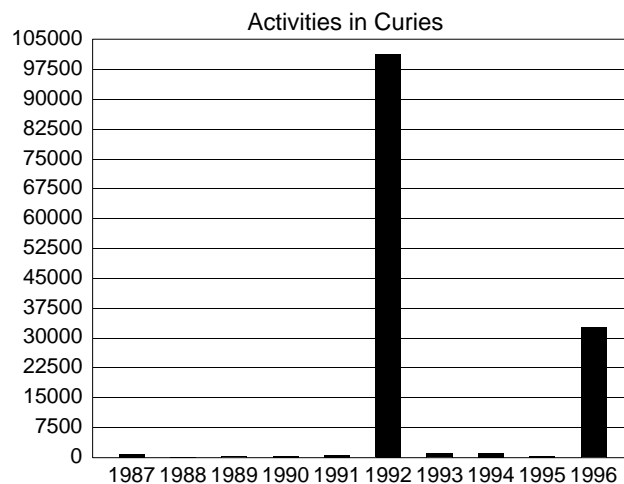
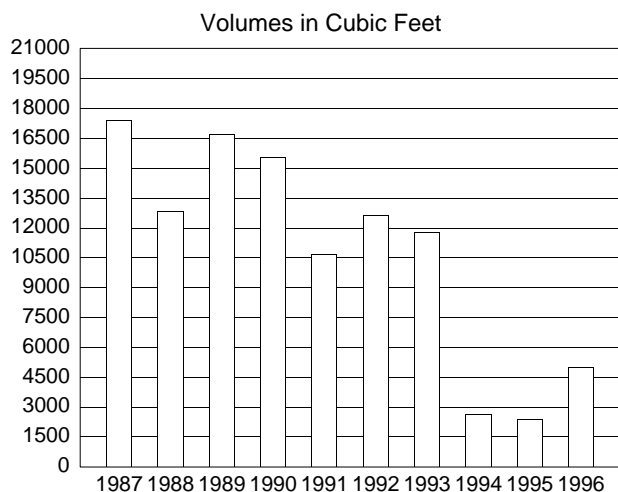
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

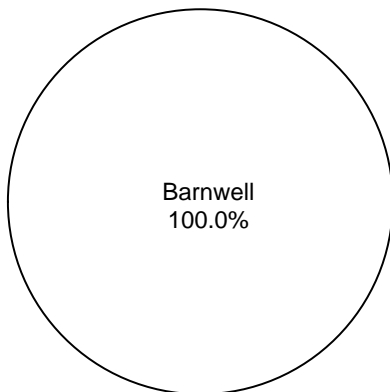


NEBRASKA

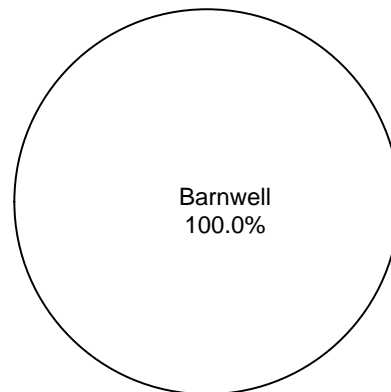
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>5,013.28</u> | <u>32,750.85</u> |
| Total | 5,013.28 | 32,750.85 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

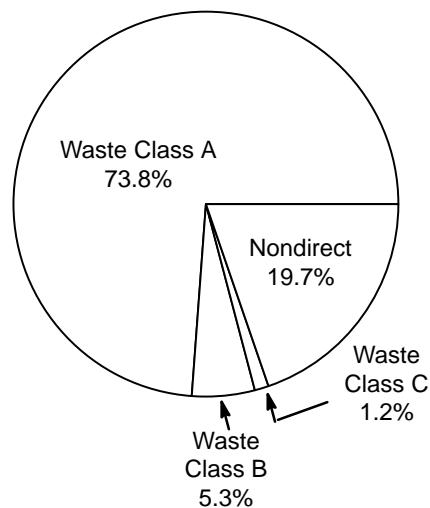


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|--------------------------------|
| A | 3,700.50 |
| B | 264.80 |
| C | <u>57.80</u> |
| Total | 4,023.10 |
| Nondirect Shipments | 990.18 |
| Total Volume | 5,013.28 |
| Total Activity (curies) | 32,750.85 |

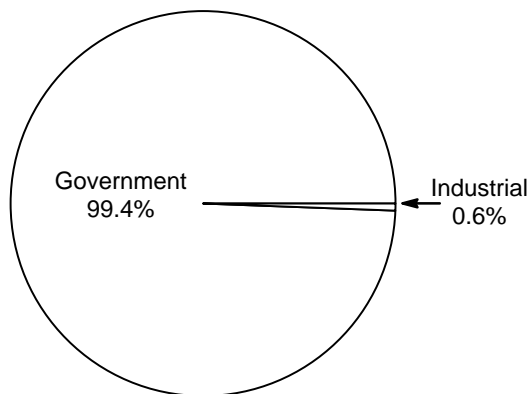


OKLAHOMA

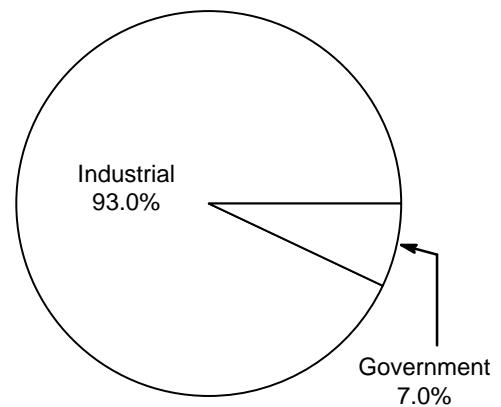
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 150.80 | 0.03 |
| Industrial | .90 | 0.40 |
| Total | 151.70 | 0.43 |

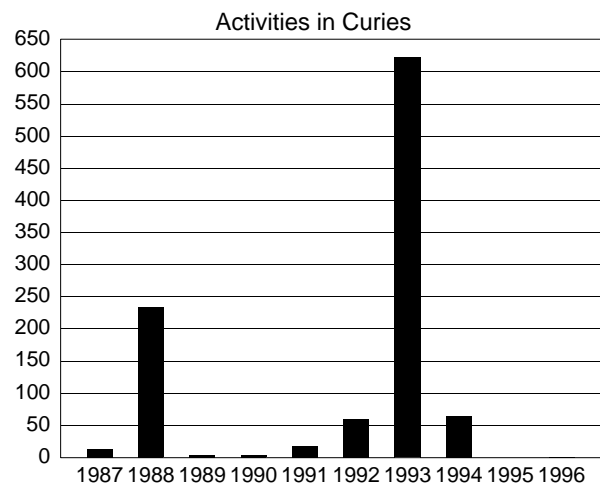
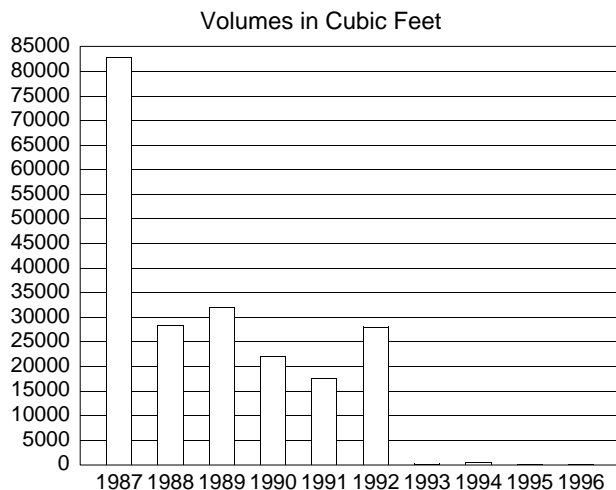
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

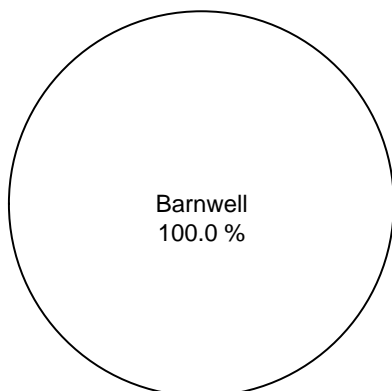


OKLAHOMA

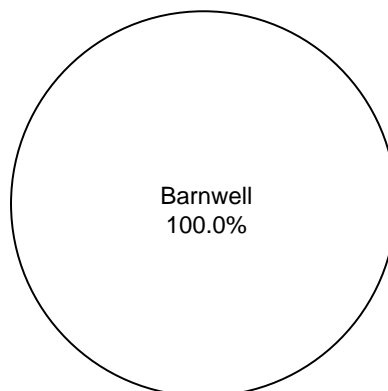
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 151.70 | 0.43 |
| Total | 151.70 | 0.43 |

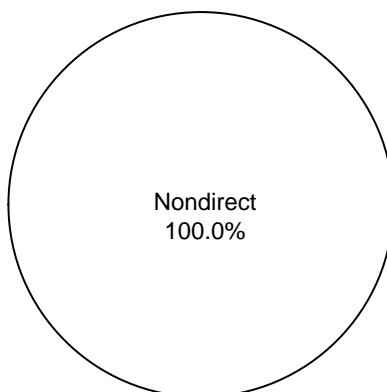
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



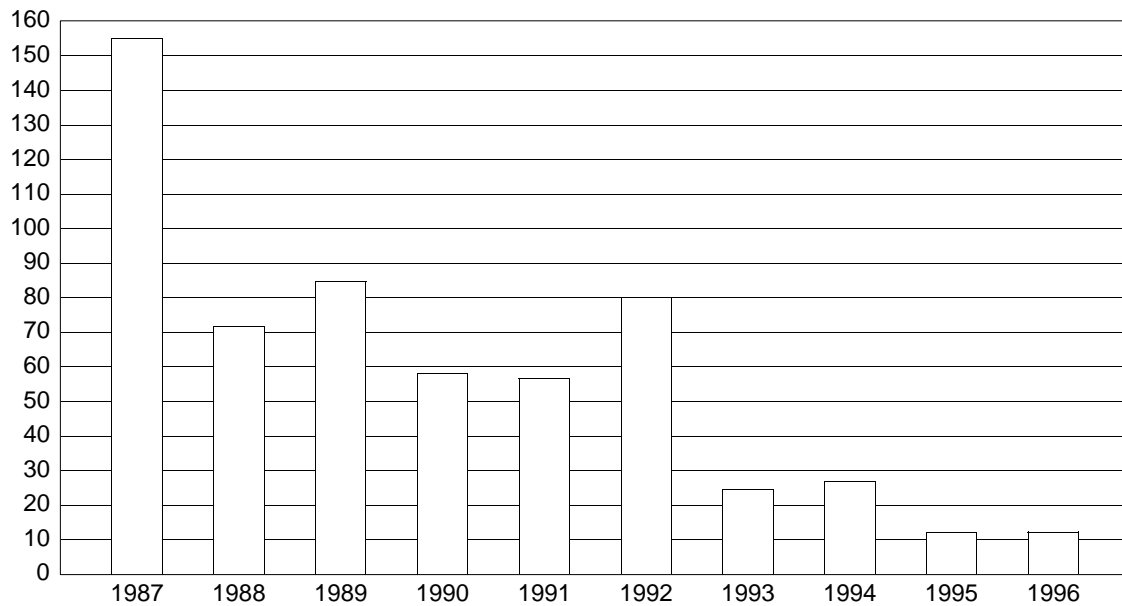
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



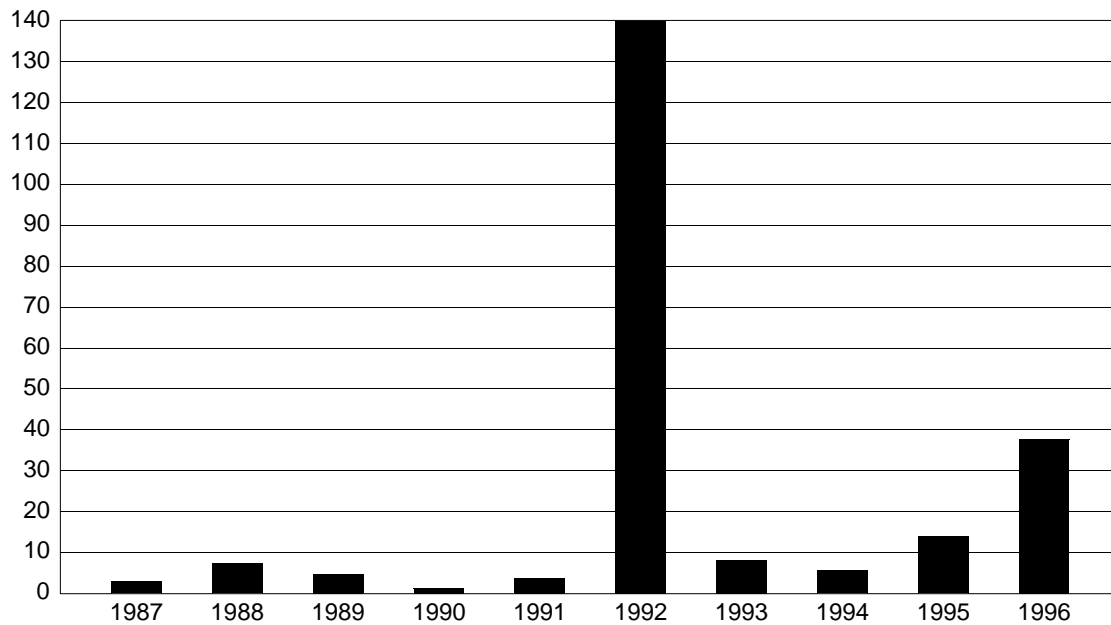
CENTRAL COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Central Midwest compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

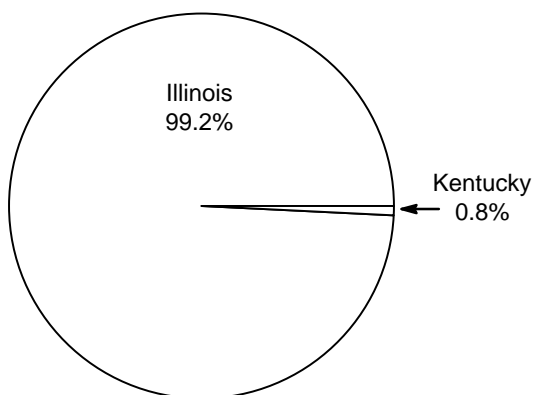


CENTRAL MIDWEST COMPACT

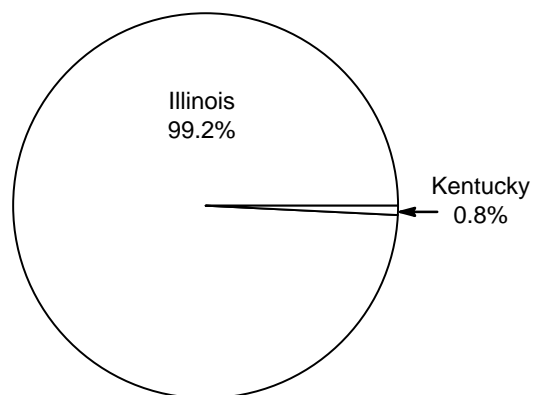
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|----------|------------------------------|----------------------|
| Illinois | 51,771.22 | 57,328.05 |
| Kentucky | 441.83 | 462.29 |
| Total | 52,213.05 | 57,790.34 |

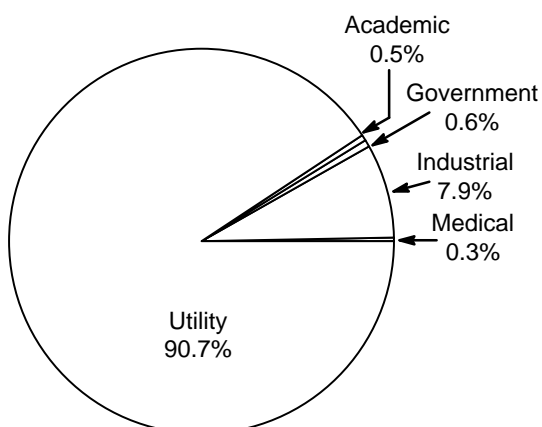
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



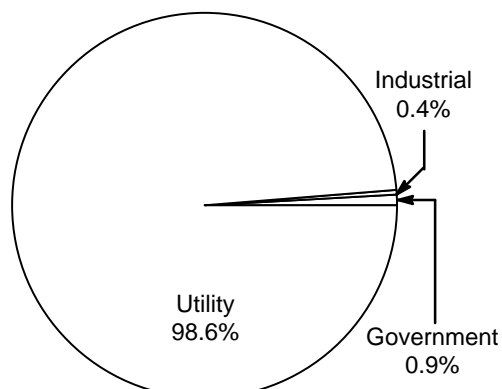
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

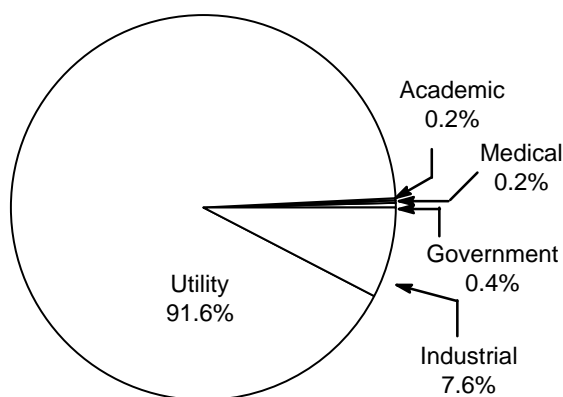


ILLINOIS

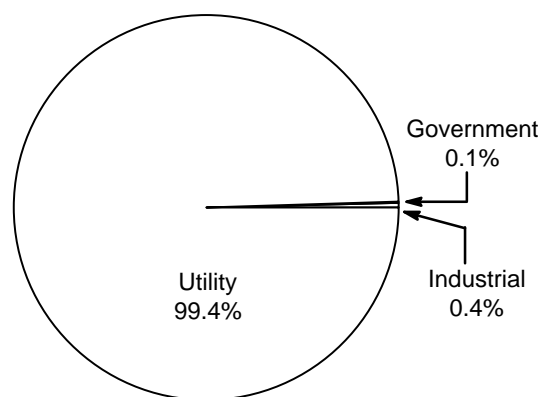
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 124.60 | 0.25 |
| Government | 223.50 | 88.41 |
| Industrial | 3,914.78 | 206.97 |
| Medical | 120.58 | 1.15 |
| Utility | 47,387.76 | 57,031.27 |
| Total | 51,771.22 | 57,328.05 |

VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

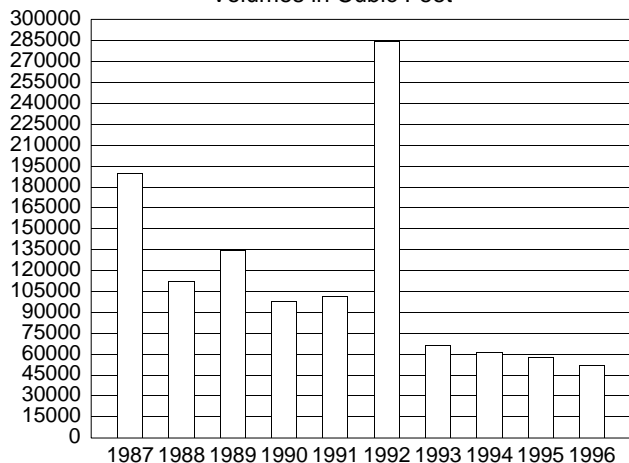


ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

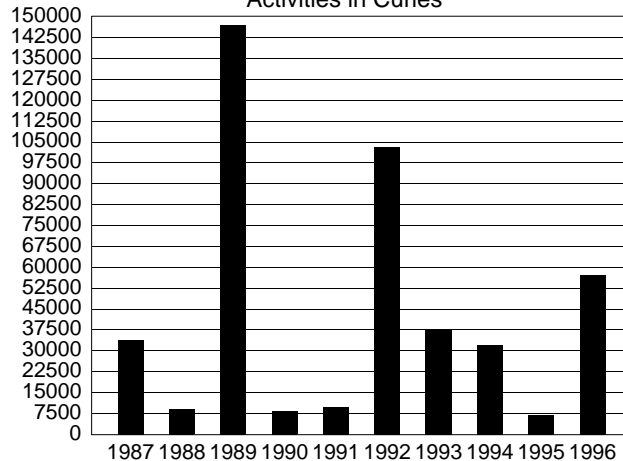


COMPARISON BY YEAR

Volumes in Cubic Feet



Activities in Curies

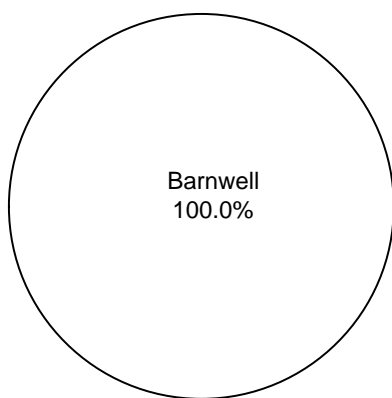


ILLINOIS

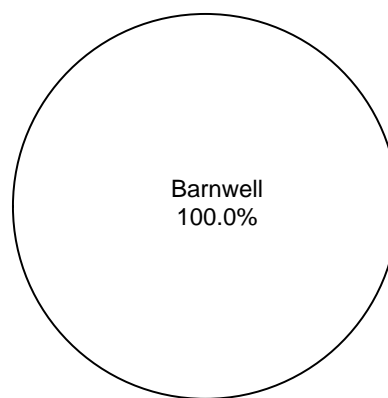
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>51,771.22</u> | <u>57,328.05</u> |
| Total | 51,771.22 | 57,328.05 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

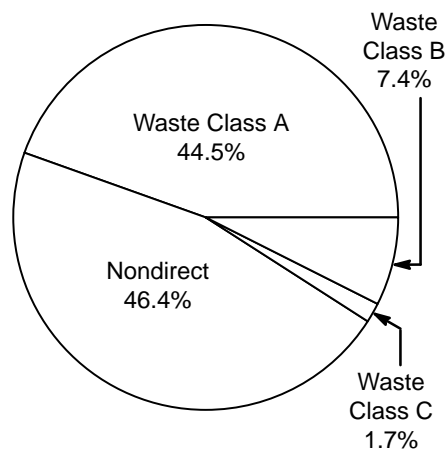


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 23,037.20 |
| B | 3,830.60 |
| C | 883.80 |
| Total | 27,751.60 |
| Nondirect Shipments | <u>24,019.62</u> |
| Total Volume | 51,771.22 |
| Total Activity (curies) | 57,328.05 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

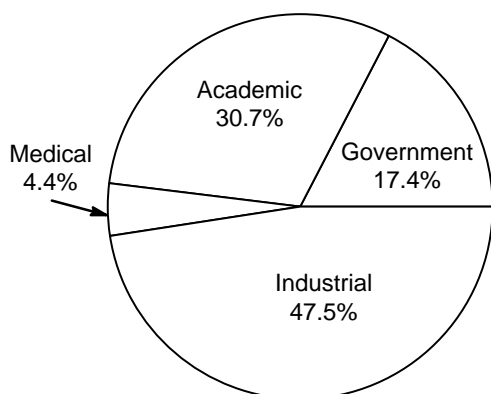


KENTUCKY

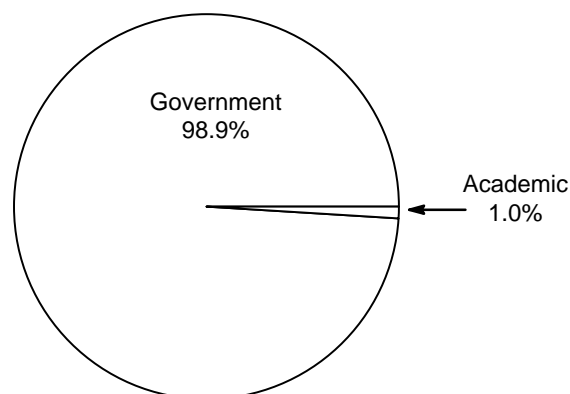
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 135.67 | 4.65 |
| Government | 76.88 | 457.63 |
| Industrial | 209.98 | <.01 |
| Medical | 19.30 | <.01 |
| Total | 441.83 | 462.29 |

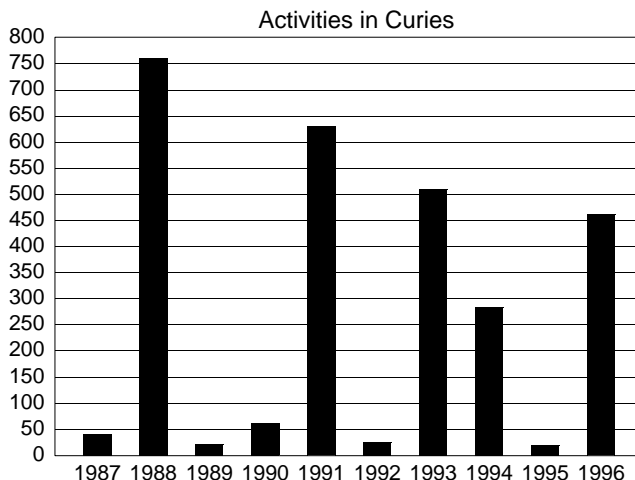
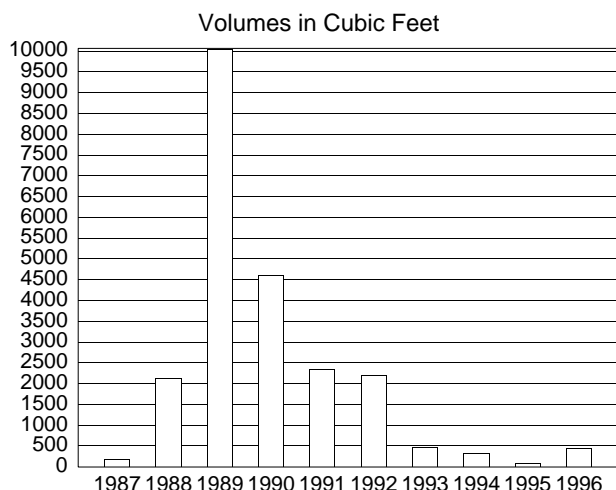
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

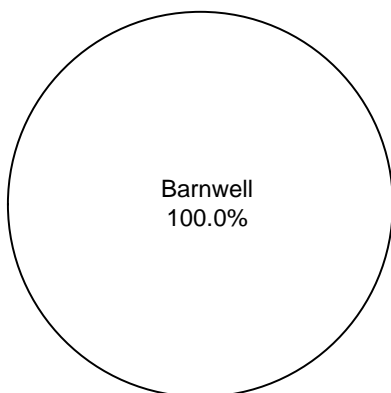


KENTUCKY

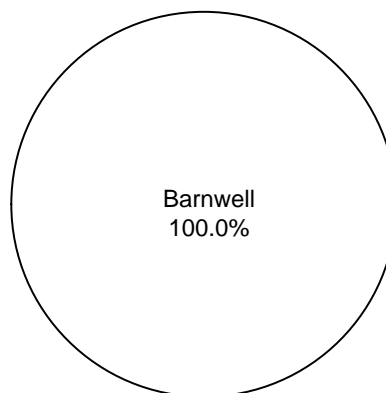
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 441.83 | 462.29 |
| Total | 441.83 | 462.29 |

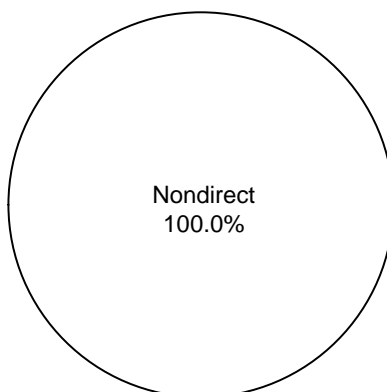
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



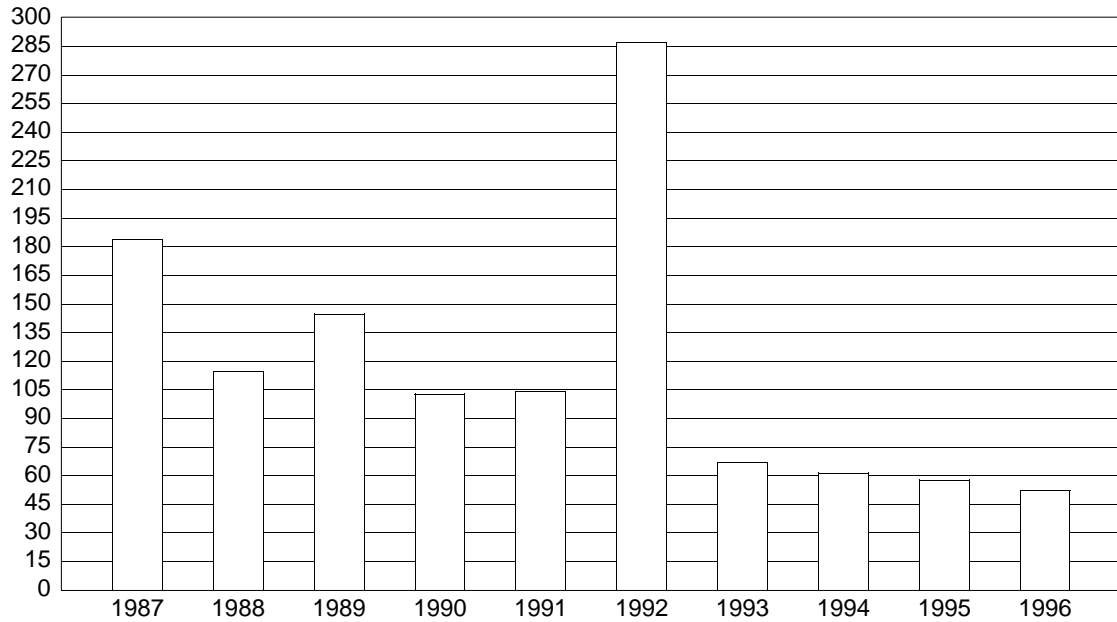
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



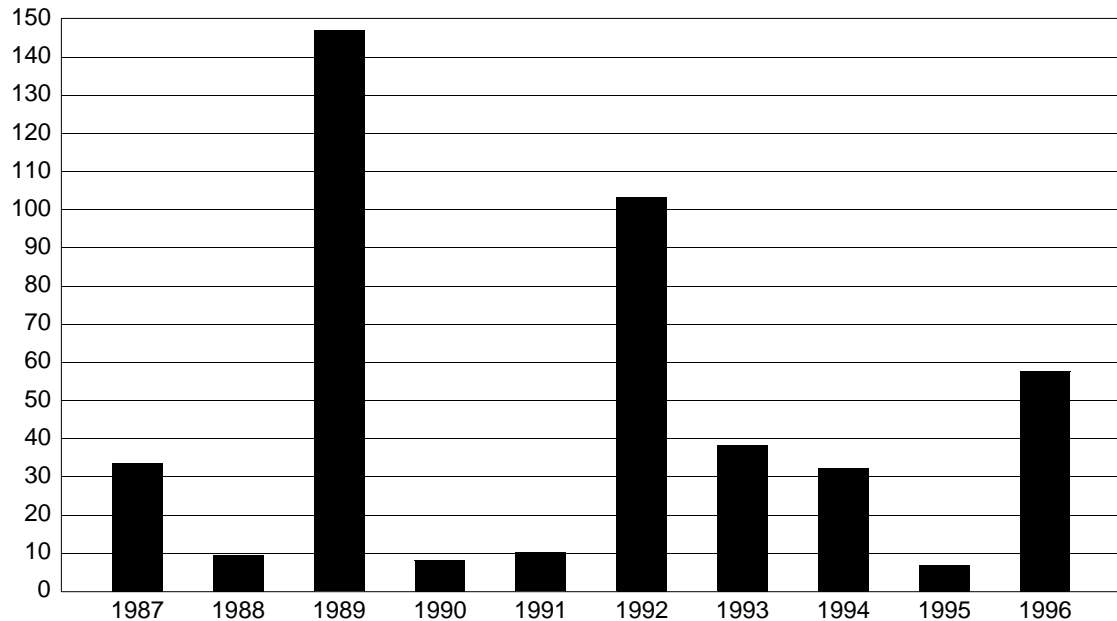
CENTRAL MIDWEST COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Central Midwest compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

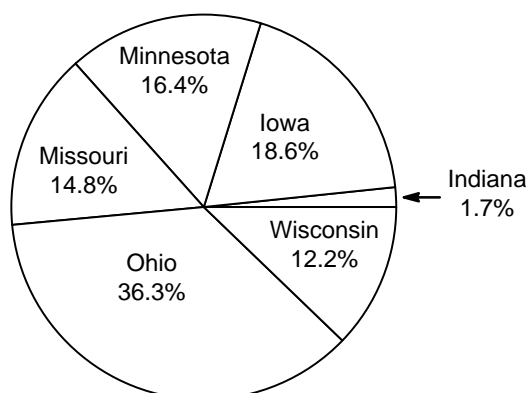


MIDWEST COMPACT

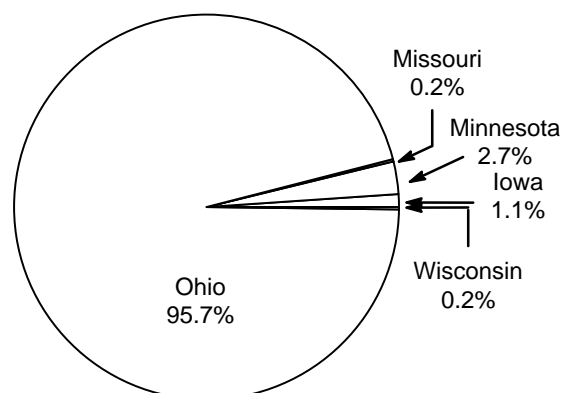
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|-----------|------------------------------|----------------------|
| Indiana | 328.98 | 9.61 |
| Iowa | 3,639.22 | 552.04 |
| Minnesota | 3,215.22 | 1,406.00 |
| Missouri | 2,916.99 | 150.40 |
| Ohio | 7,090.83 | 50,021.21 |
| Wisconsin | 2,396.65 | 153.07 |
| Total | 19,587.89 | 52,292.33 |

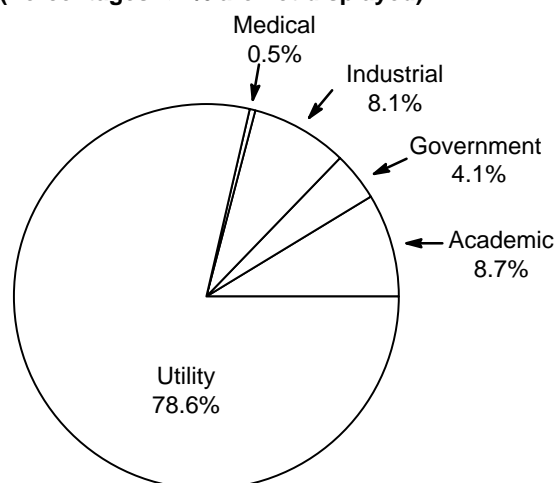
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



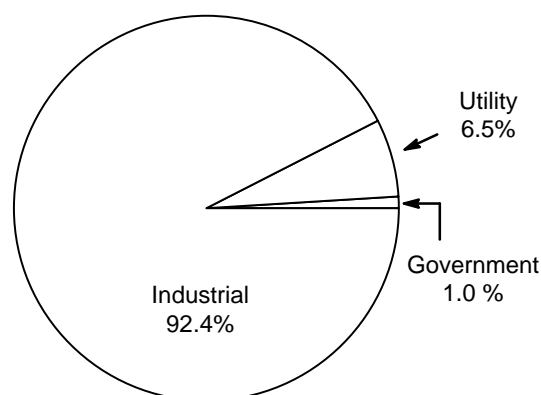
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

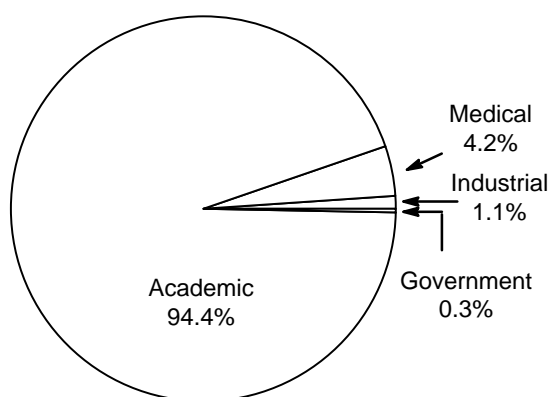


INDIANA

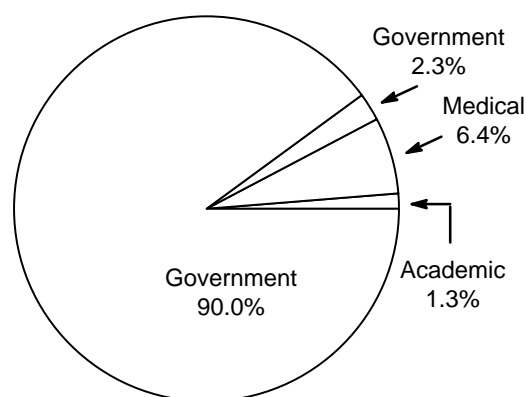
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 310.51 | 8.66 |
| Government | 1.18 | .22 |
| Industrial | 3.59 | .12 |
| Medical | 13.70 | .62 |
| Total | 328.98 | 9.61 |

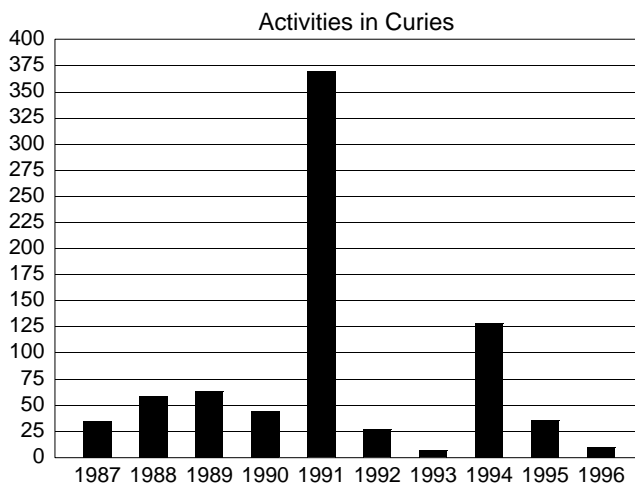
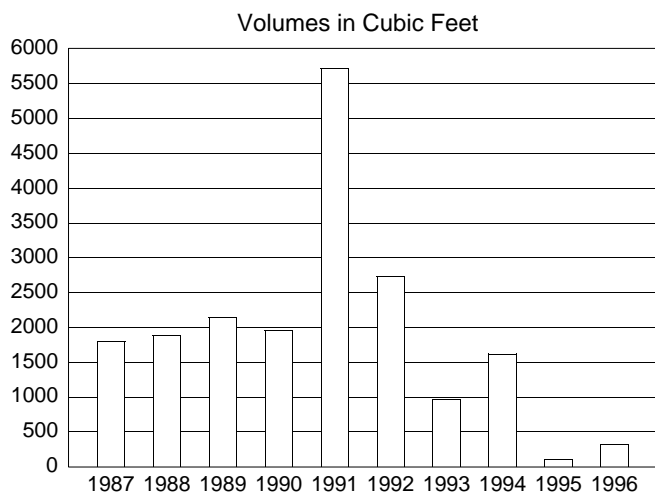
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

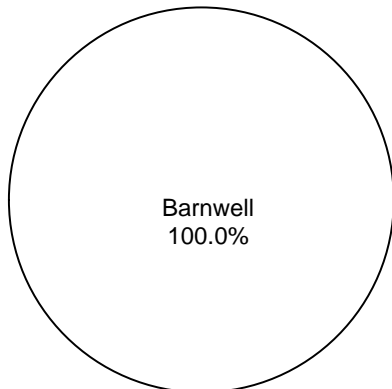


INDIANA

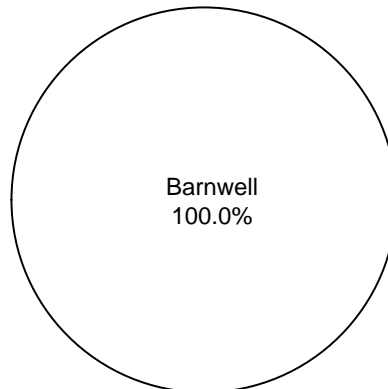
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 328.98 | 9.61 |
| Total | 328.98 | 9.61 |

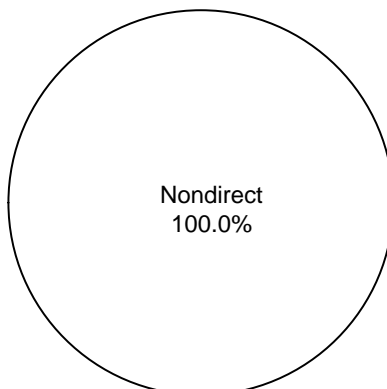
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

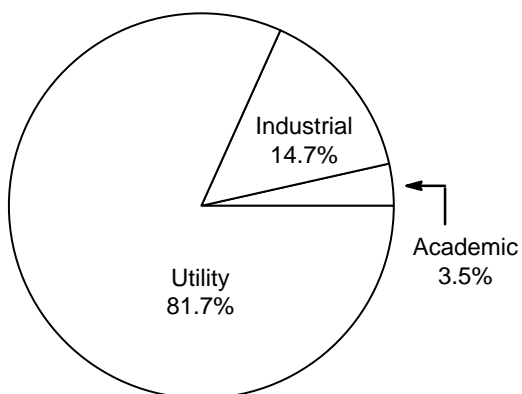


IOWA

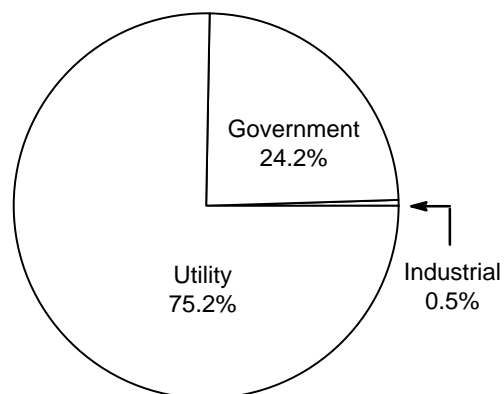
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 127.32 | .12 |
| Government | 2.20 | 133.85 |
| Industrial | 537.30 | 3.09 |
| Utility | 2,972.40 | 414.98 |
| Total | 3,639.22 | 552.04 |

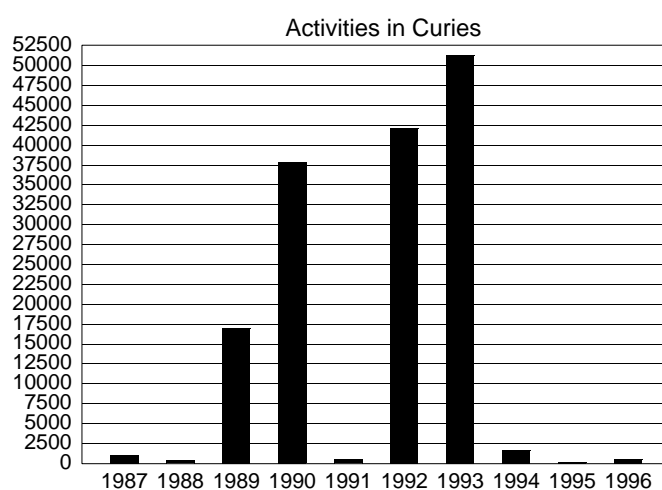
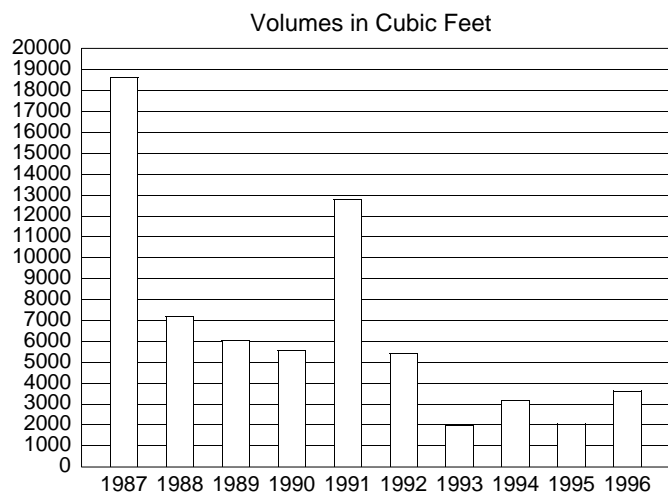
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

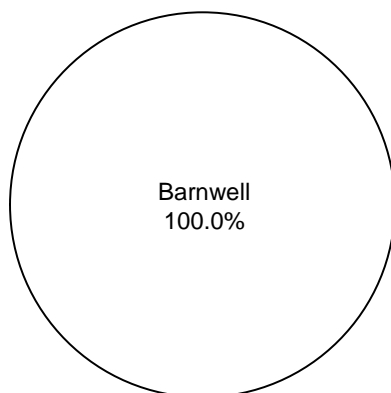


IOWA

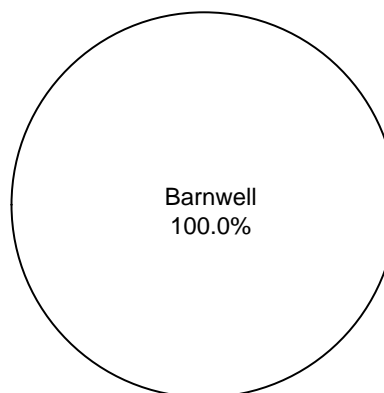
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>3,639.22</u> | <u>552.04</u> |
| Total | 3,639.22 | 552.04 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

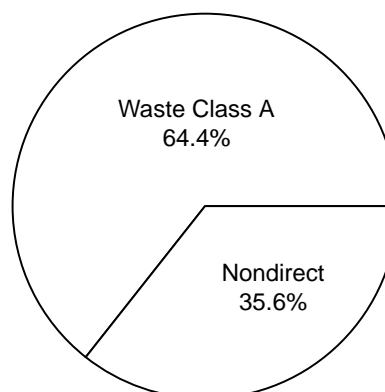


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 2,342.40 |
| B | 0 |
| C | <u>0</u> |
| Total | 2,342.40 |
| Nondirect Shipments | <u>1,296.82</u> |
| Total Volume | 3,639.22 |
| Total Activity (curies) | 552.04 |

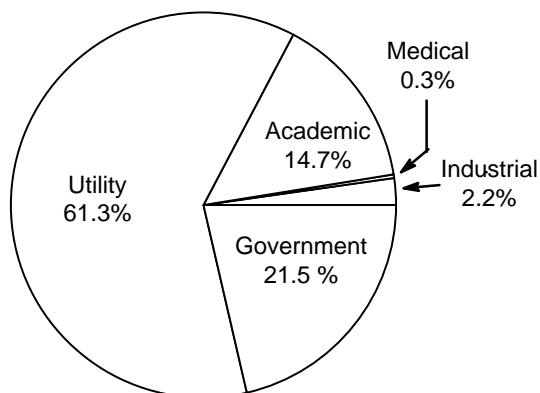


MINNESOTA

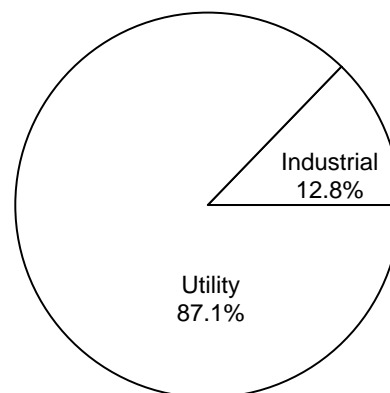
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 472.50 | .45 |
| Government | 690.20 | <.1 |
| Industrial | 72.19 | 180.88 |
| Medical | 10.70 | <.1 |
| Utility | 1,969.63 | 1,224.66 |
| Total | 3,215.22 | 1,406.00 |

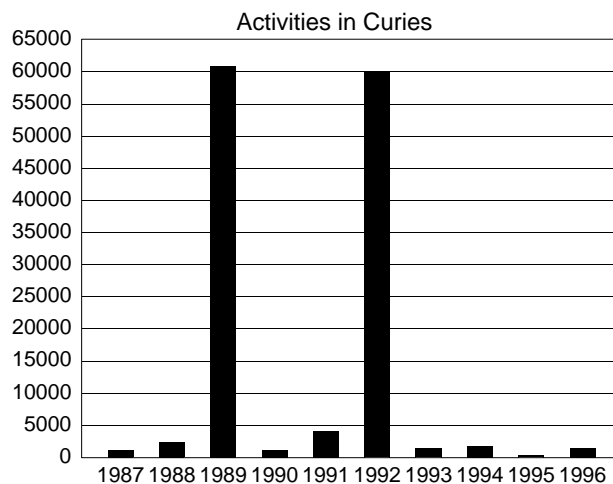
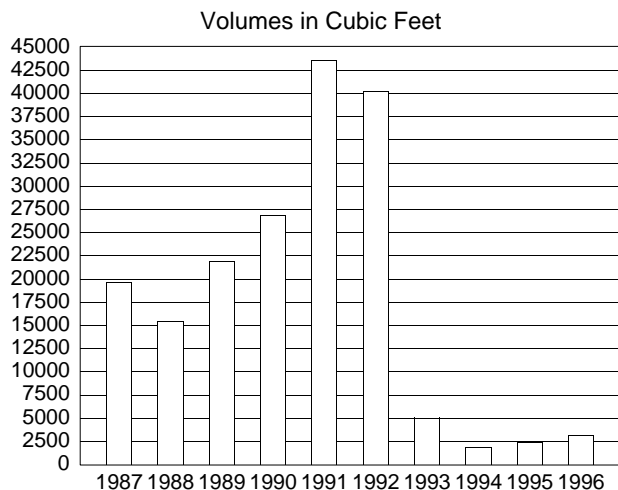
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

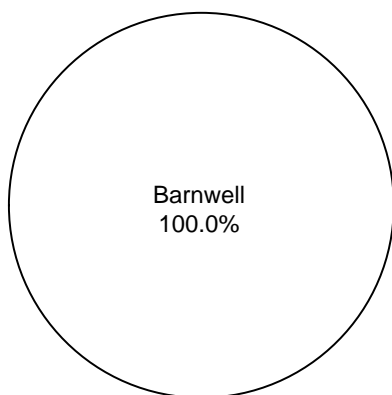


MINNESOTA

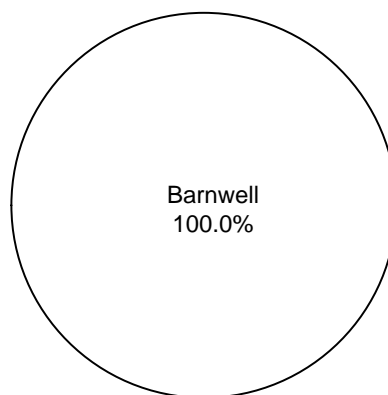
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 3,215.22 | 1,406.00 |
| Total | 3,215.22 | 1,406.00 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

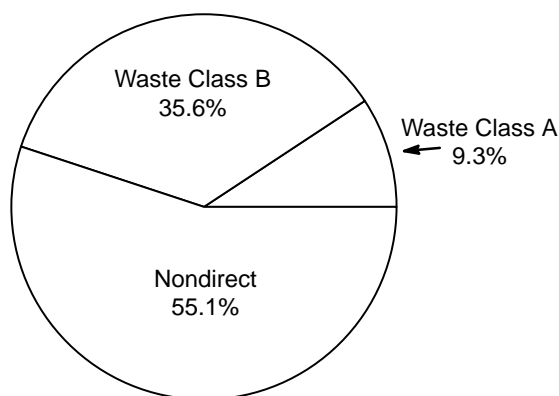


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 299.20 |
| B | 1,145.10 |
| C | 0 |
| Total | 1,444.30 |
| Nondirect Shipments | 1,770.92 |
| Total Volume | 3,215.22 |
| Total Activity (curies) | 1,406.00 |

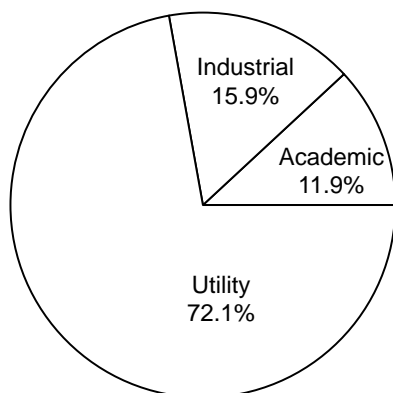


MISSOURI

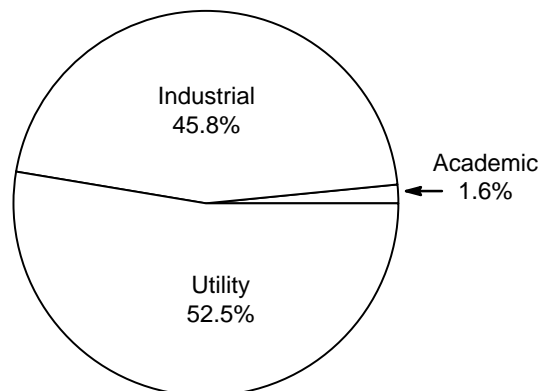
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 347.27 | 2.50 |
| Government | .68 | <.1 |
| Industrial | 465.15 | 68.91 |
| Utility | 2,103.89 | 78.99 |
| Total | 2,916.99 | 150.40 |

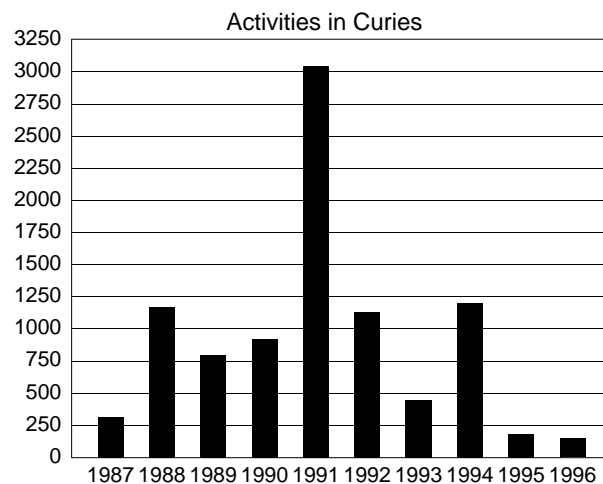
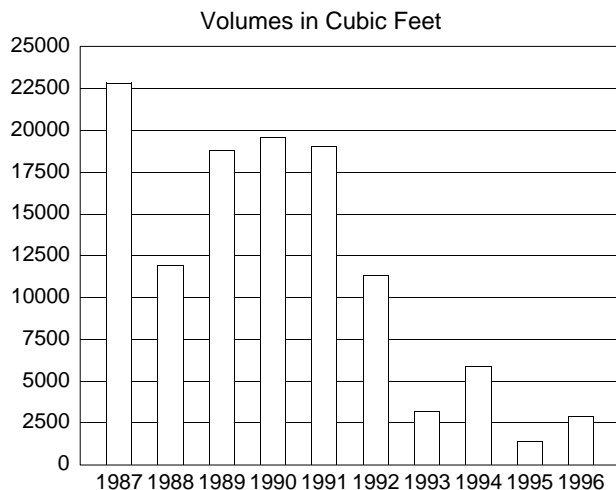
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

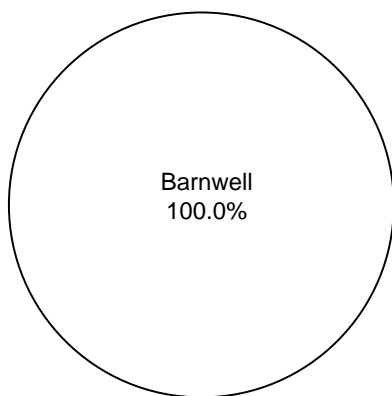


MISSOURI

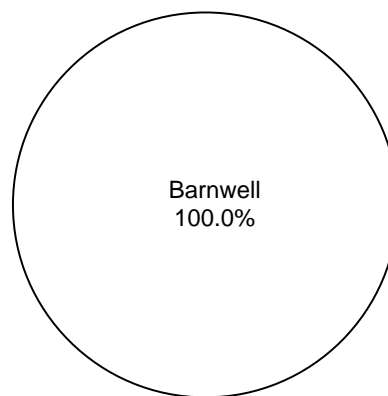
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>2,916.99</u> | <u>150.40</u> |
| Total | 2,916.99 | 150.40 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

Direct Shipment
Waste Class

A
B
C

Total

Nondirect Shipments

Total Volume

Total Activity (curies)

Volume
(ft³)

0

135.80

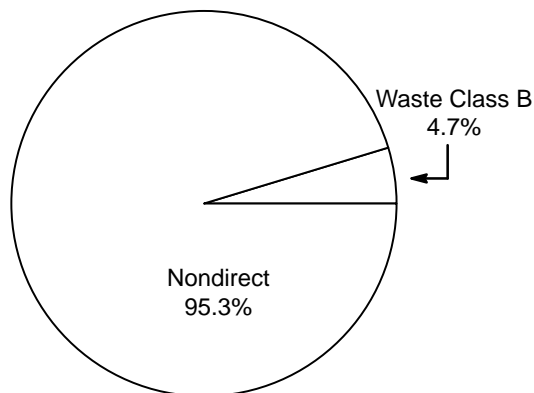
0

135.80

2,781.19

2,916.99

150.40

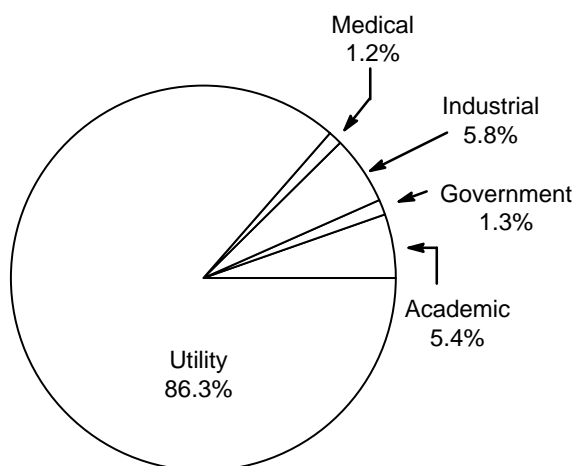


OHIO

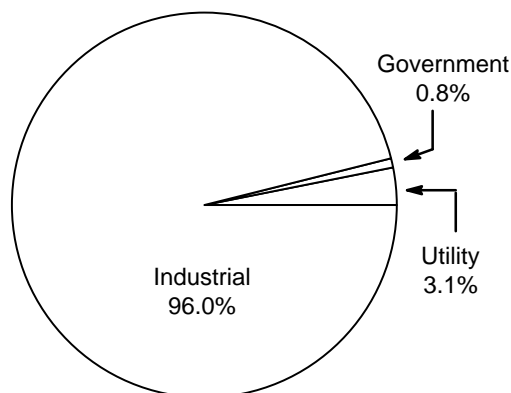
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 385.61 | 2.23 |
| Government | 89.56 | 421.29 |
| Industrial | 414.61 | 48,058.64 |
| Medical | 85.51 | .46 |
| Utility | 6,115.54 | 1,538.59 |
| Total | 7,090.83 | 50,021.21 |

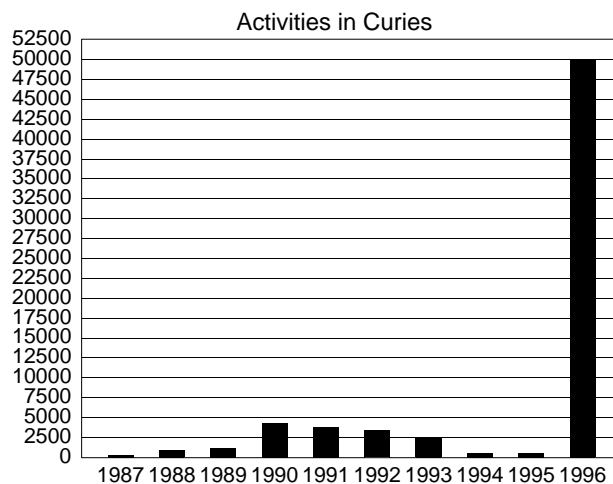
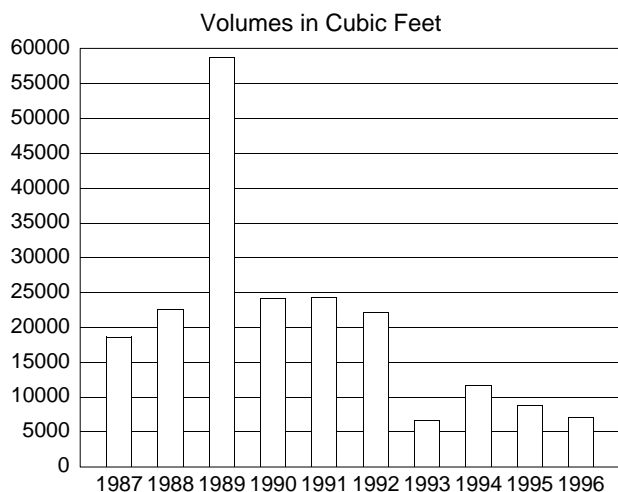
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

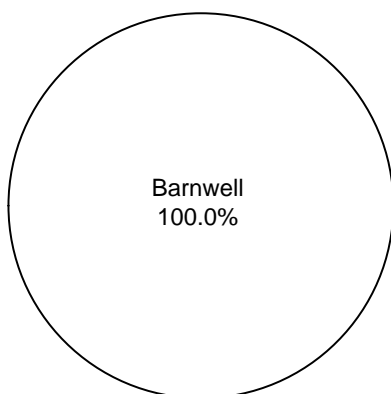


OHIO

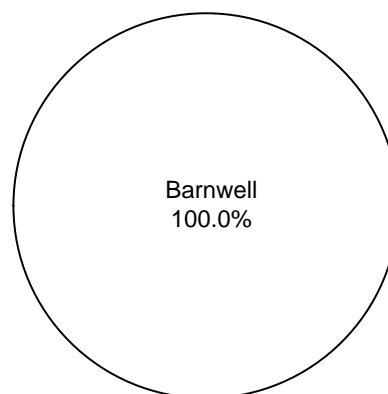
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>7,090.83</u> | <u>50,021.21</u> |
| Total | 7,090.83 | 50,021.21 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

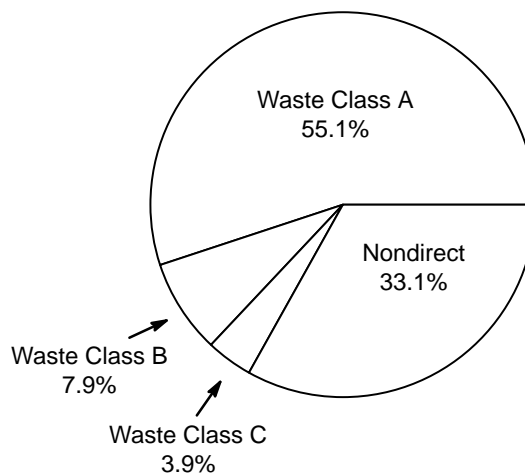


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 3,905.70 |
| B | 557.40 |
| C | <u>273.40</u> |
| Total | 4,736.50 |
| Nondirect Shipments | <u>2,354.33</u> |
| Grand Total | 7,090.83 |
| Grand Total (curies) | 50,021.21 |

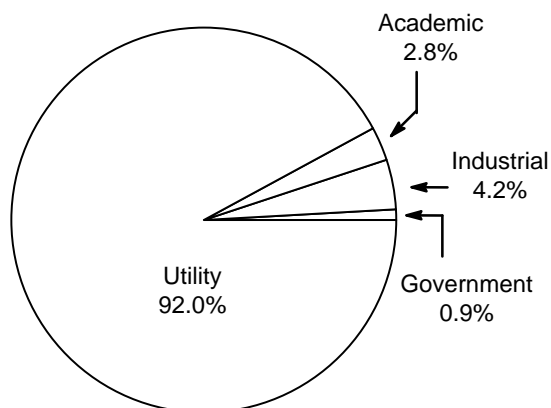


WISCONSIN

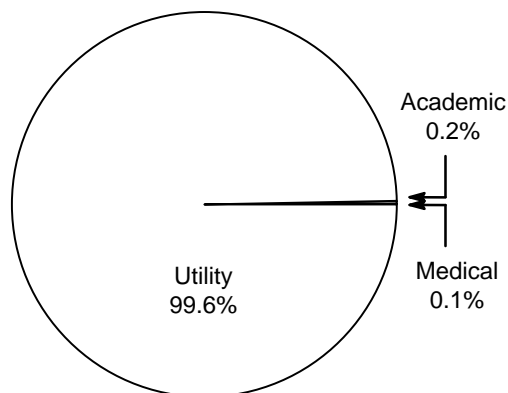
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 66.20 | .41 |
| Government | 21.58 | <.01 |
| Industrial | 101.73 | .04 |
| Medical | .08 | .15 |
| Utility | 2,207.06 | 152.47 |
| Total | 2,396.65 | 153.07 |

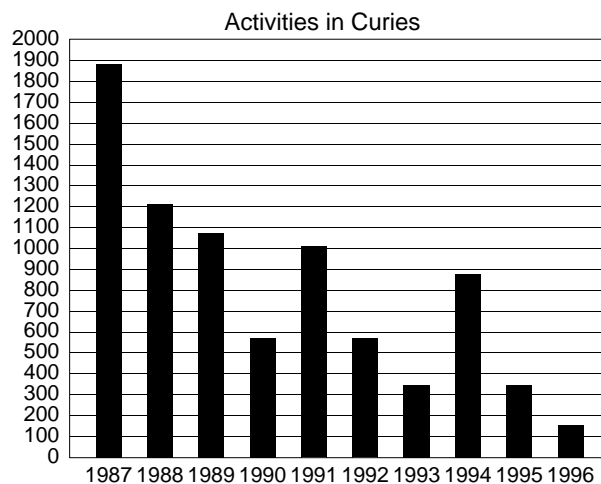
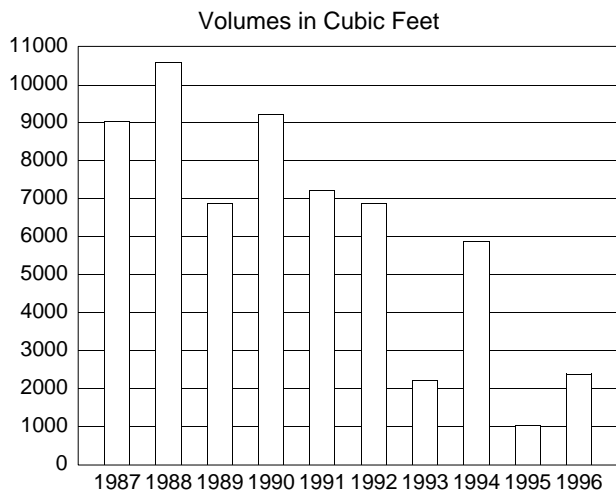
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

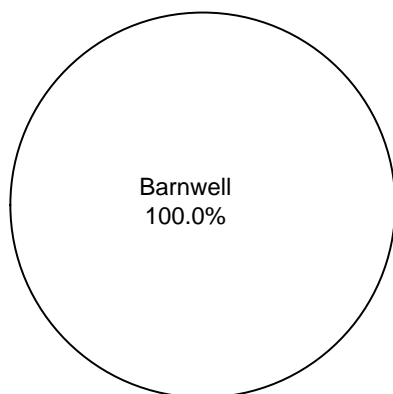


WISCONSIN

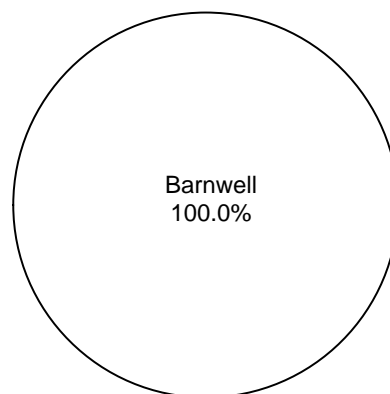
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|---------------|---------------------------|-------------------|
| Barnwell | 2,396.65 | 153.07 |
| Total | 2,396.65 | 153.07 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



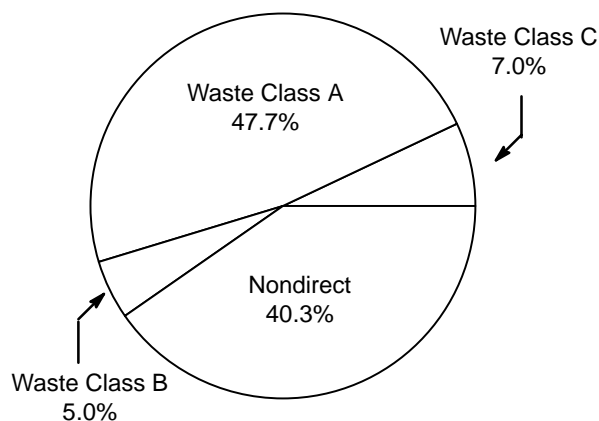
ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| Direct Shipment Waste Class |
|-----------------------------|
| A |
| B |
| C |
| Total |
| Nondirect Shipments |
| Total Volume |
| Total Activity (curies) |

| Volume (ft ³) |
|---------------------------|
| 1,142.60 |
| 120.30 |
| 166.80 |
| 1,429.70 |
| 966.95 |
| 2,396.65 |
| 153.07 |

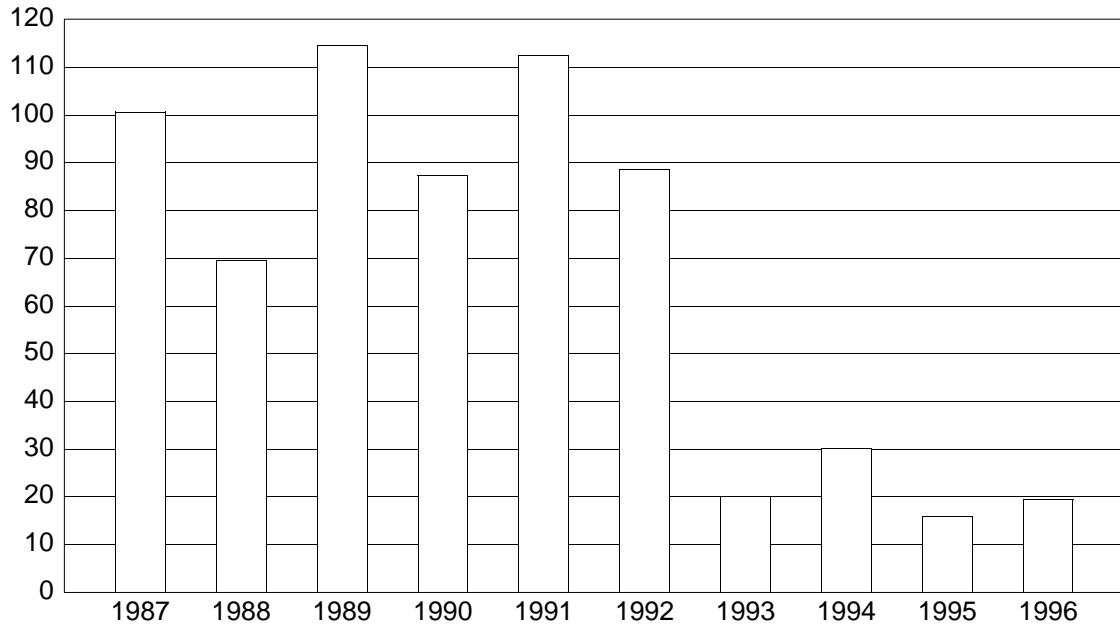
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



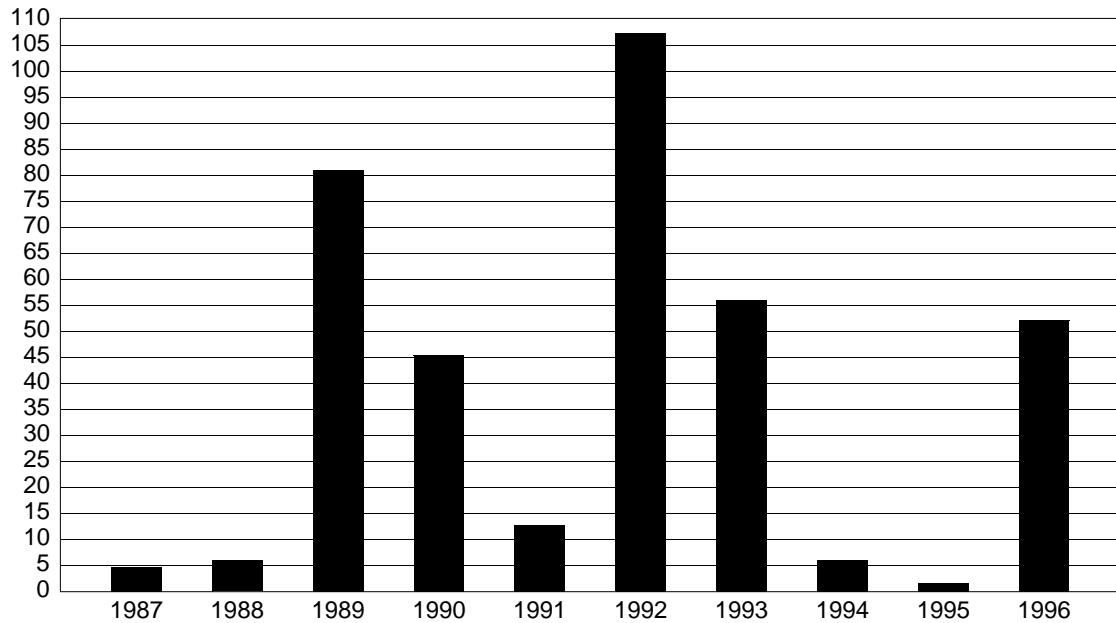
MIDWEST COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Midwest compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

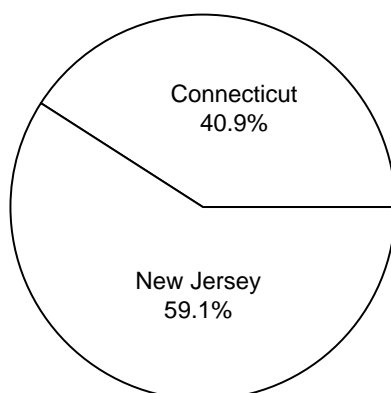


NORTHEAST COMPACT

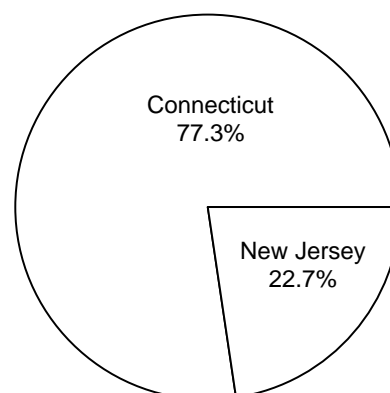
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|-------------|------------------------------|----------------------|
| Connecticut | 10,920.12 | 3,088.11 |
| New Jersey | 15,805.16 | 906.65 |
| Total | 26,725.28 | 3,994.76 |

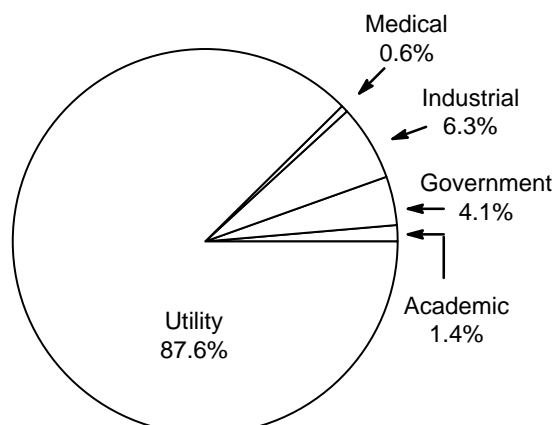
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



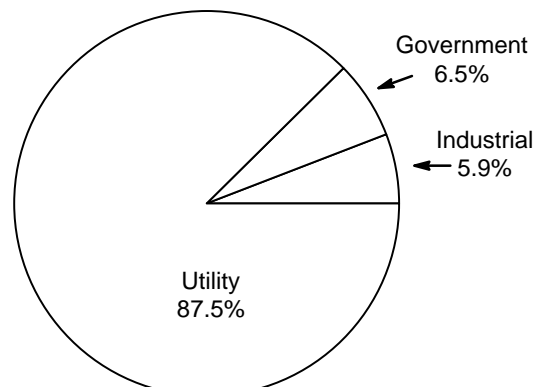
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

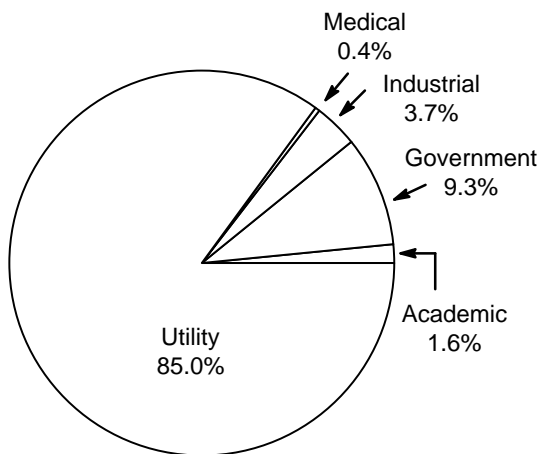


CONNECTICUT

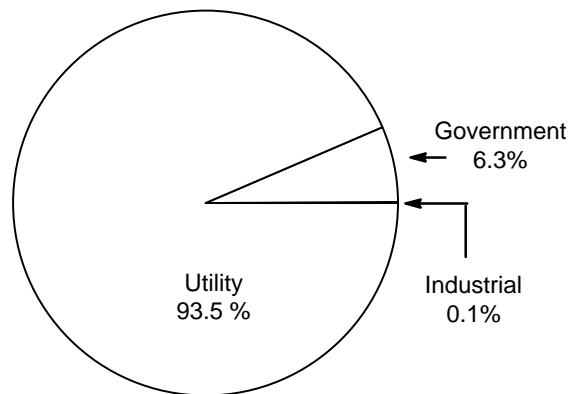
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 175.01 | 0.22 |
| Government | 1,016.10 | 193.05 |
| Industrial | 401.79 | 3.16 |
| Medical | 42.07 | .03 |
| Utility | 9,285.15 | 2,891.65 |
| Total | 10,920.12 | 3,088.11 |

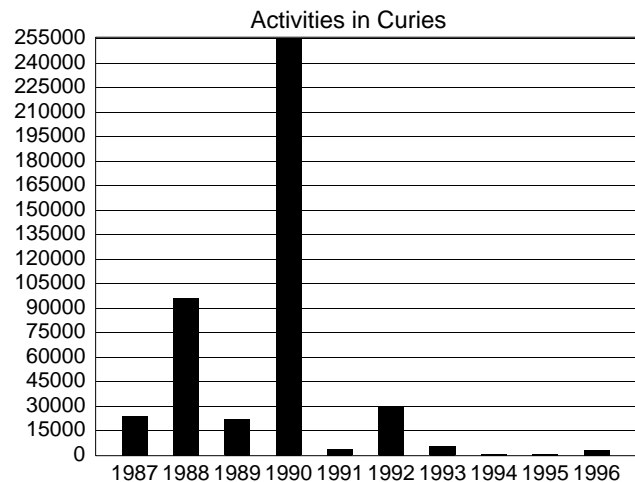
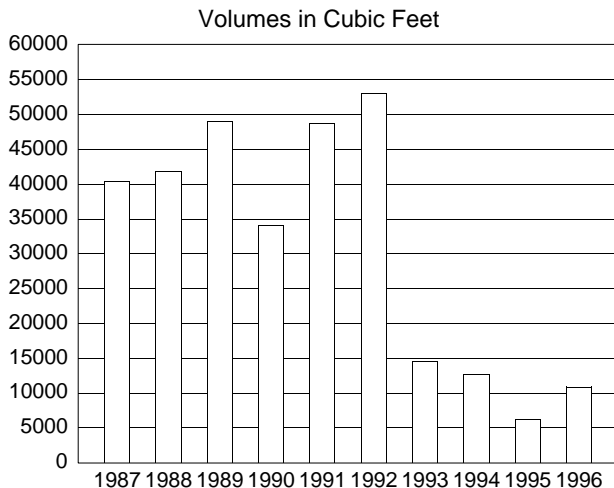
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

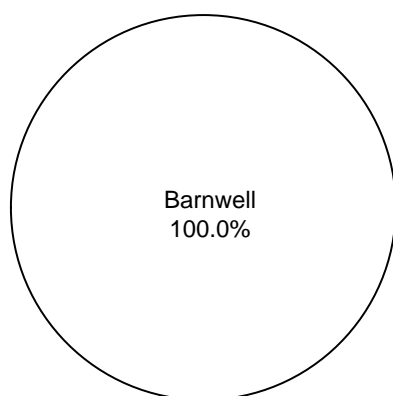


CONNECTICUT

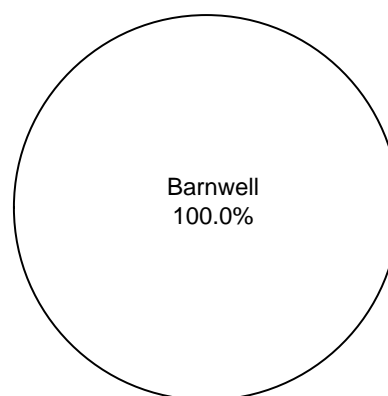
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>10,920.12</u> | <u>3,088.11</u> |
| Total | 10,920.12 | 3,088.11 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

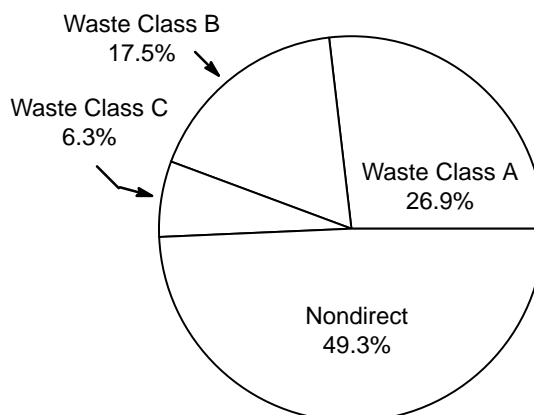


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 2,937.80 |
| B | 1,911.70 |
| C | <u>683.30</u> |
| Total | 5,532.80 |
| Nondirect Shipments | <u>5,387.32</u> |
| Total Volume | 10,920.12 |
| Total Activity (curies) | 3,088.11 |

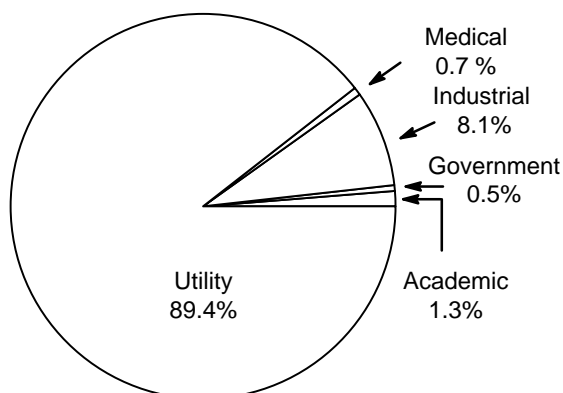


NEW JERSEY

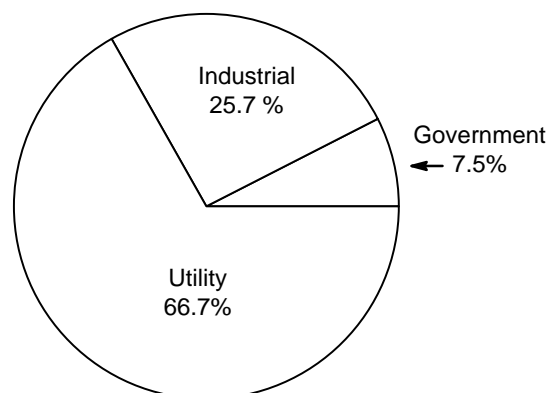
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 202.46 | 0.28 |
| Government | 88.89 | 68.40 |
| Industrial | 1,273.72 | 233.11 |
| Medical | 113.91 | 0.11 |
| Utility | 14,126.18 | 604.76 |
| Total | 15,805.16 | 906.65 |

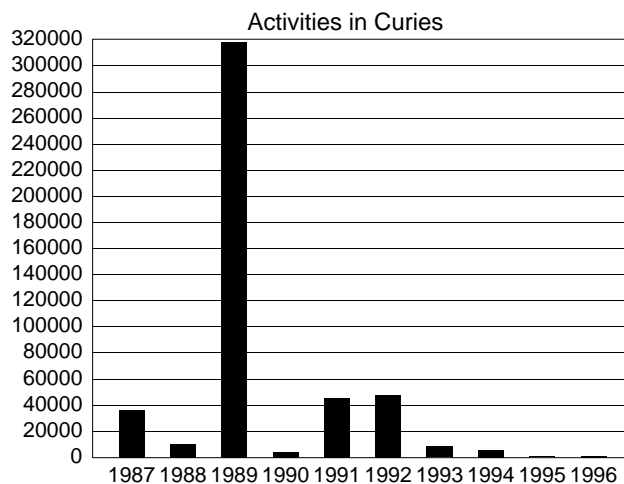
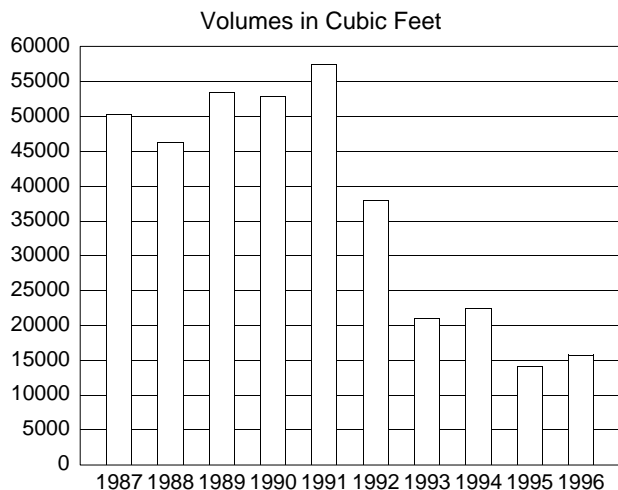
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

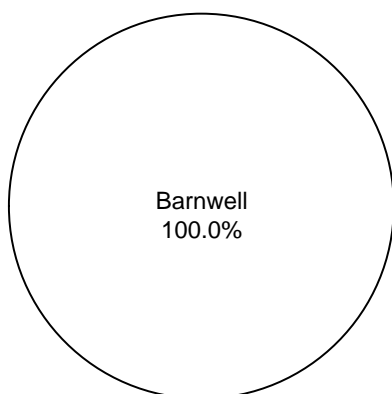


NEW JERSEY

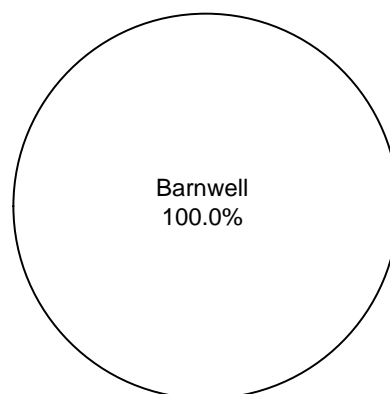
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 15,805.16 | 906.65 |
| Total | 15,805.16 | 906.65 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

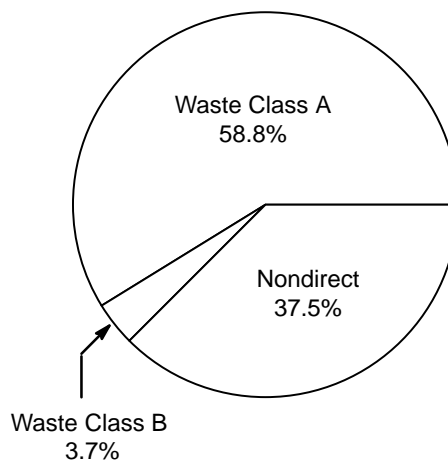


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 9,290.80 |
| B | 582.30 |
| C | 0 |
| Total | 9,873.10 |
| Nondirect Shipments | 5,932.06 |
| Total Volume | 15,805.16 |
| Total Activity (curies) | 906.65 |

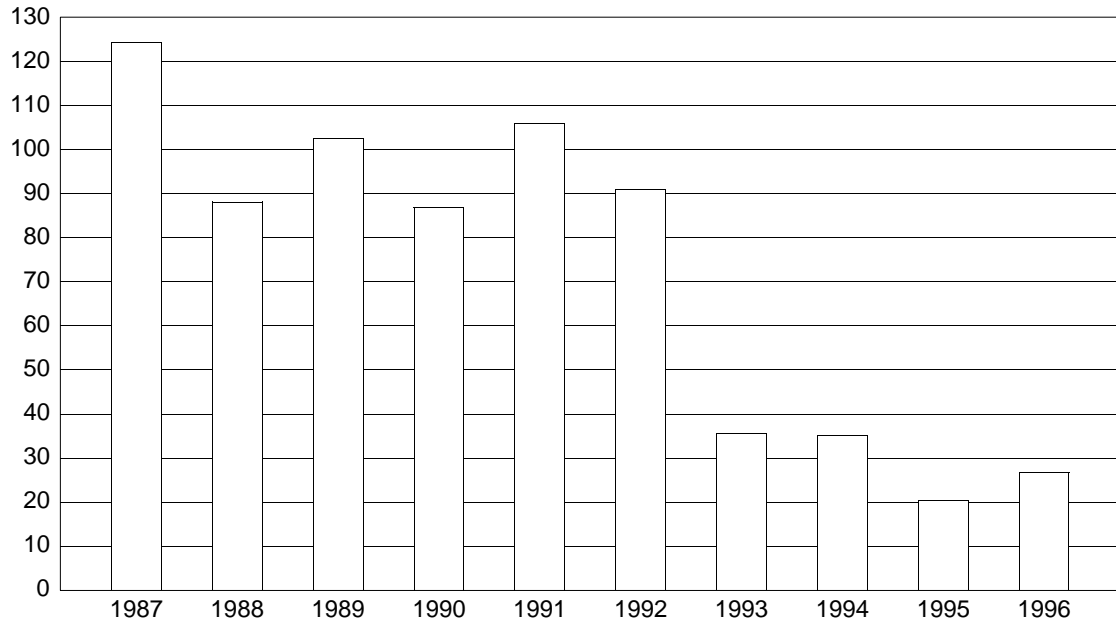
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



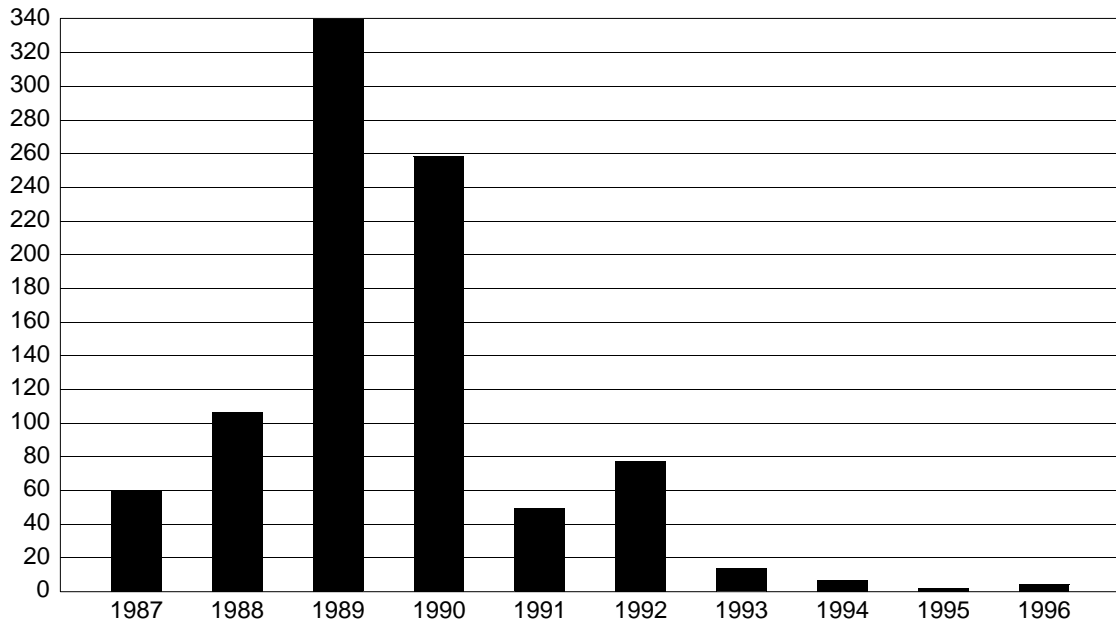
NORTHEAST COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Northeast compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

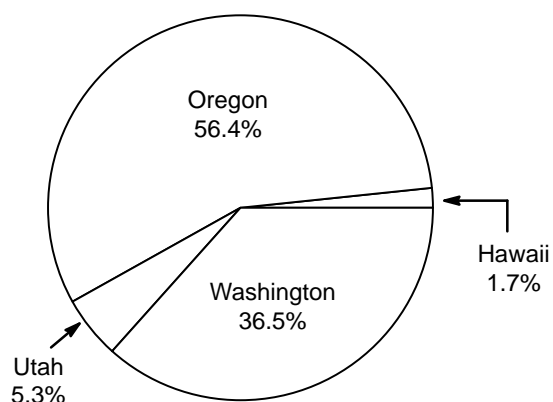


NORTHWEST COMPACT

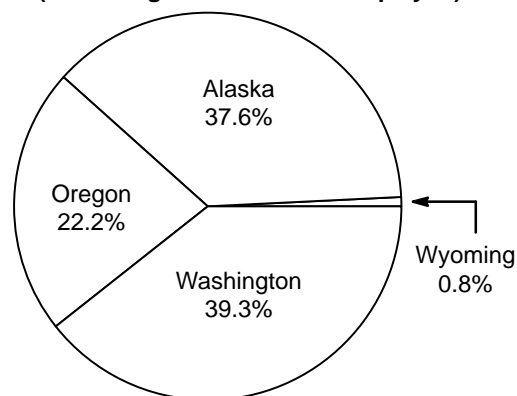
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|------------|------------------------------|----------------------|
| Alaska | 10.20 | 603.00 |
| Hawaii | 1,572.03 | 1.06 |
| Idaho | 0 | 0 |
| Montana | 0 | 0 |
| Oregon | 52,082.40 | 356.74 |
| Utah | 4,924.50 | .26 |
| Washington | 33,696.09 | 630.63 |
| Wyoming | .50 | 13.21 |
| Total | 92,285.72 | 1,604.90 |

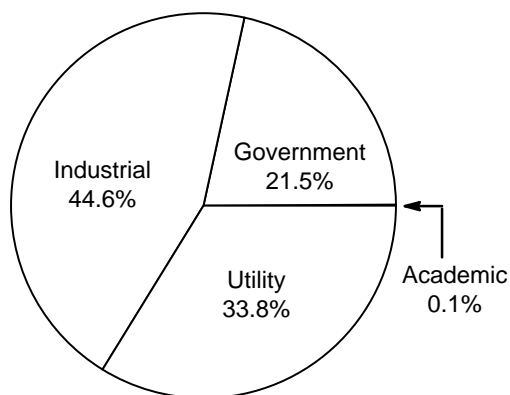
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



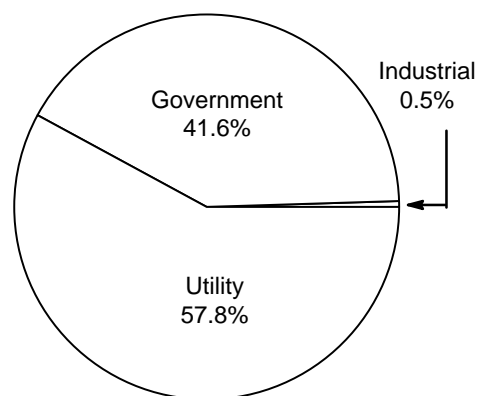
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

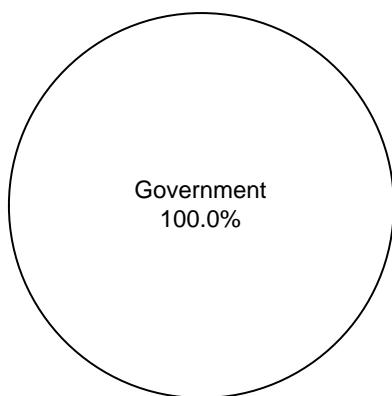


ALASKA

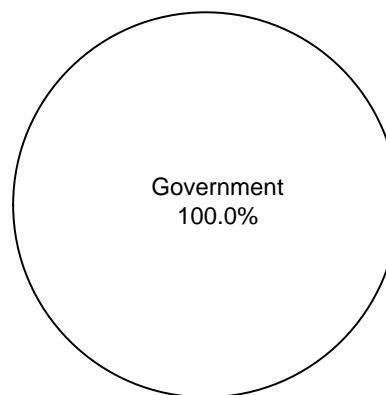
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Generator Category</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|-------------------------------|------------------------------------|------------------------------|
| Government | 10.20 | 603.00 |
| Total | 10.20 | 603.00 |

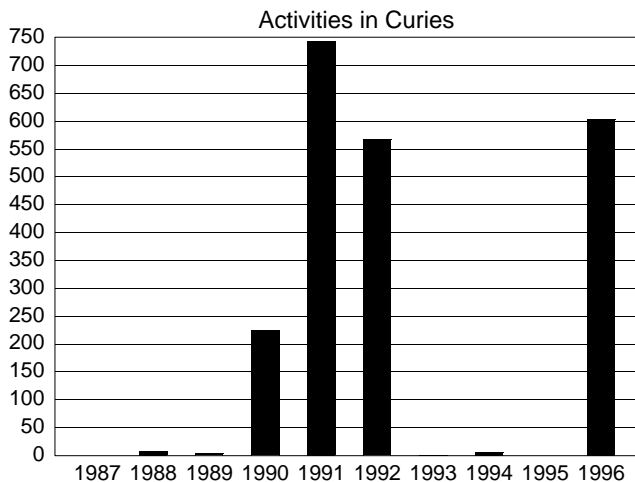
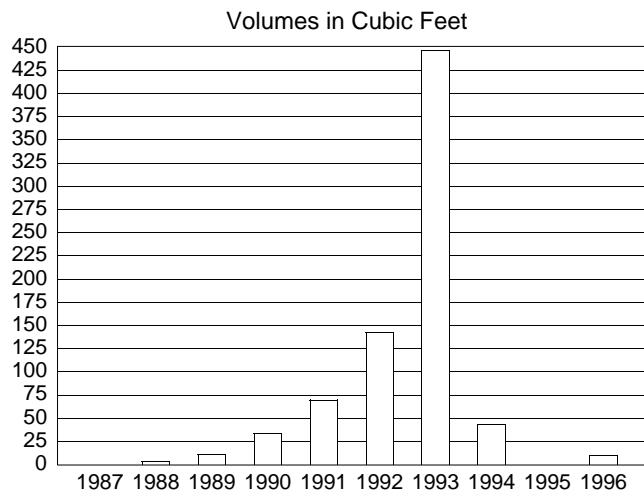
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

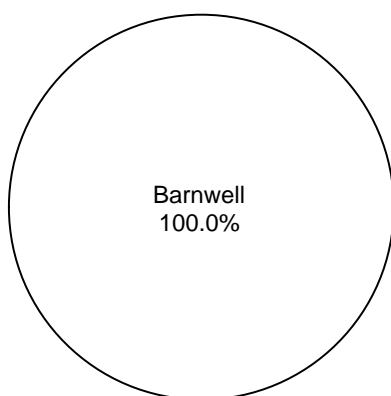


ALASKA

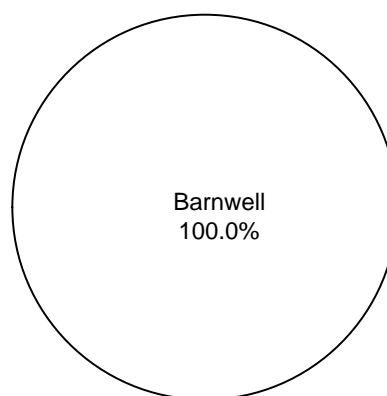
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 10.20 | 603.00 |
| Total | 10.20 | 603.00 |

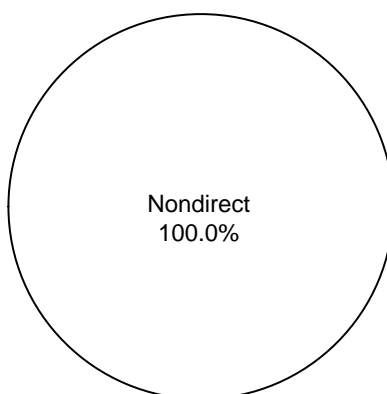
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

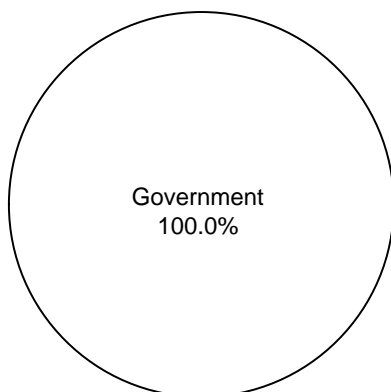


HAWAII

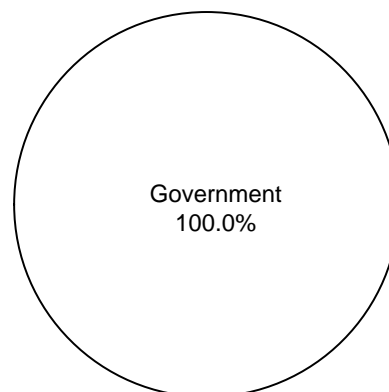
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 1,572.03 | 1.06 |
| Total | 1,572.03 | 1.06 |

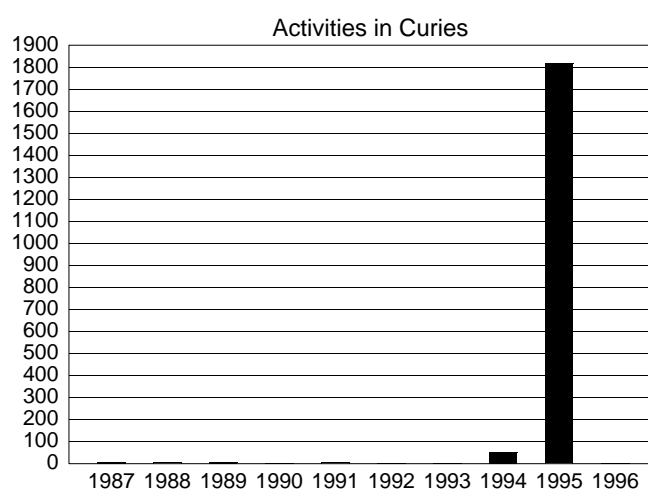
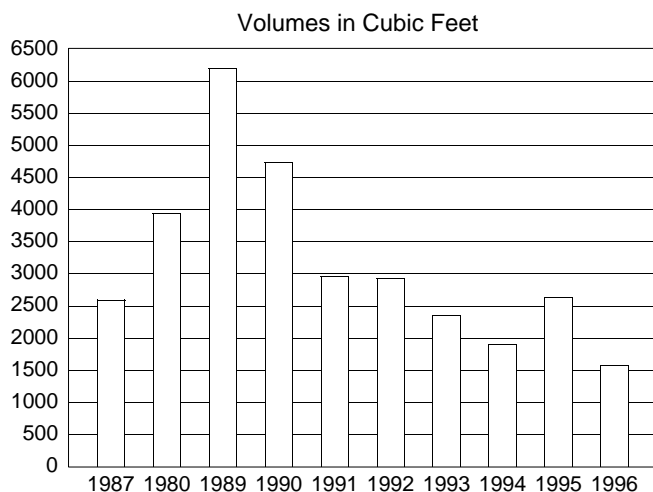
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

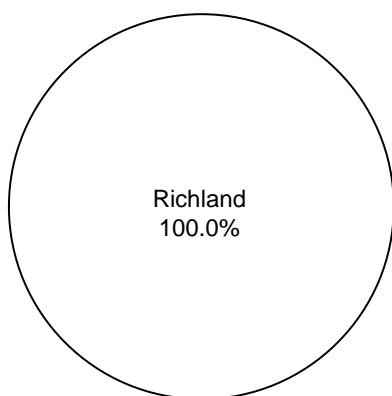


HAWAII

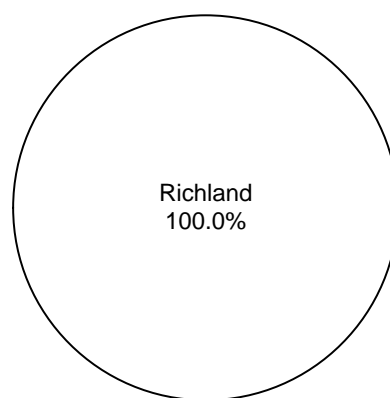
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Richland | 1,572.03 | 1.06 |
| Total | 1,572.03 | 1.06 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

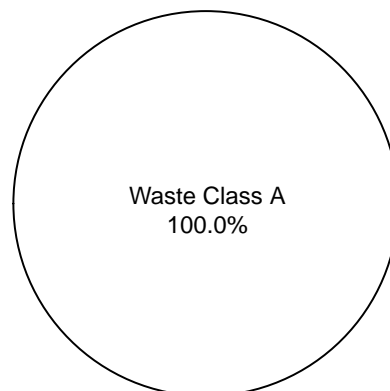


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 1,572.03 |
| B | 0 |
| C | 0 |
| Total | 1,572.03 |
| Nondirect Shipments | 0 |
| Total Volume | 1,572.03 |
| Total Activity (curies) | 1.06 |



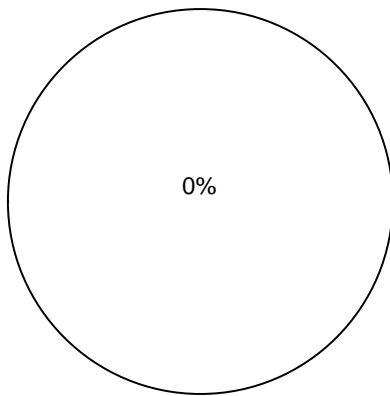
IDAHO

Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

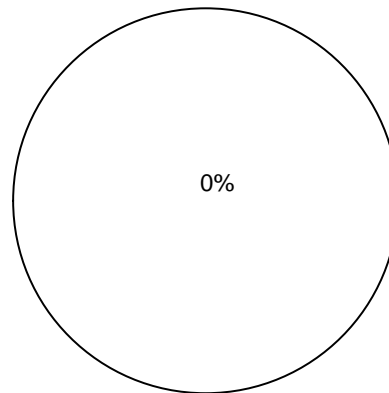
| <u>Generator Category</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|-------------------------------|------------------------------------|------------------------------|
|-------------------------------|------------------------------------|------------------------------|

No LLW Disposed in 1996

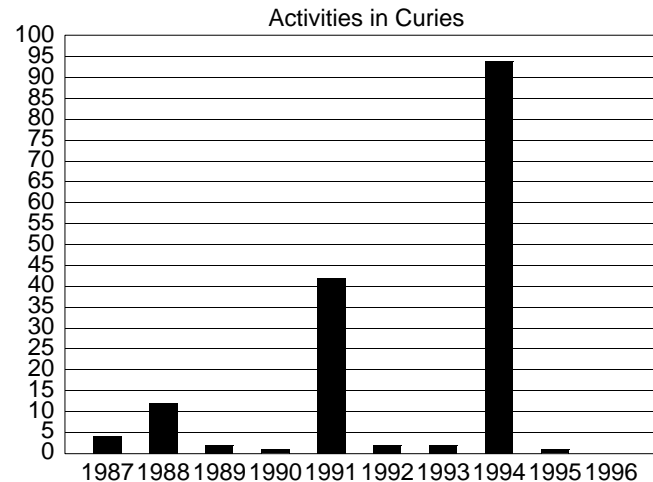
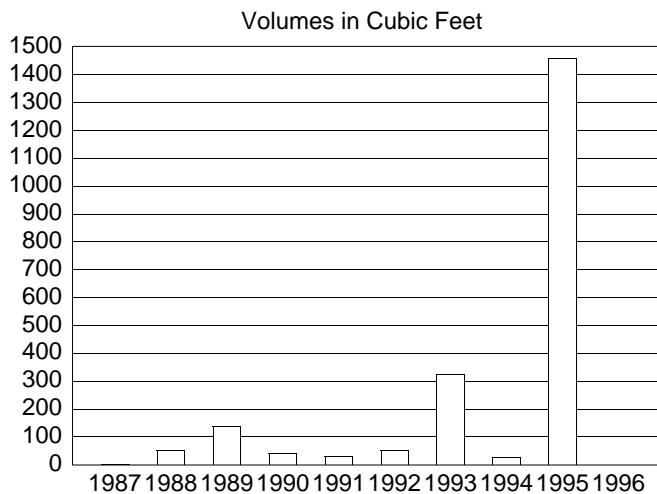
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR



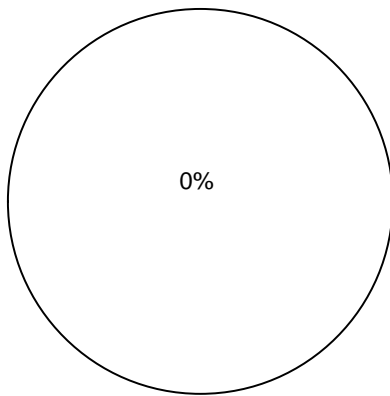
MONTANA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

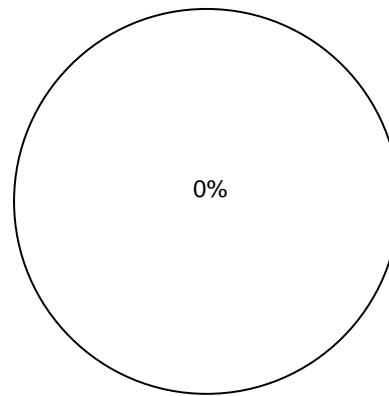
| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
|-----------------------|------------------------------|----------------------|

No LLW Disposed in 1996

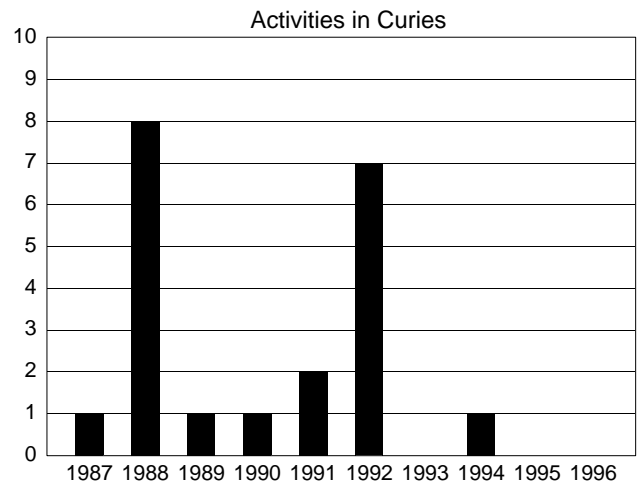
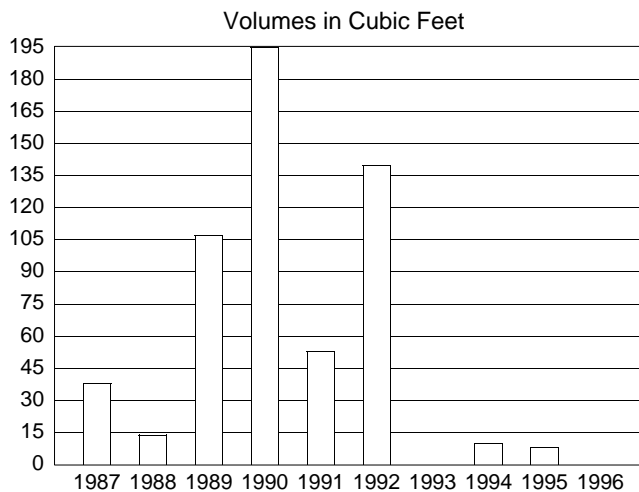
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

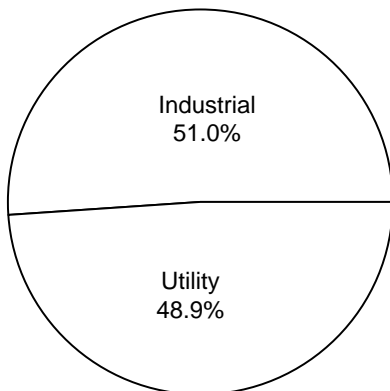


OREGON

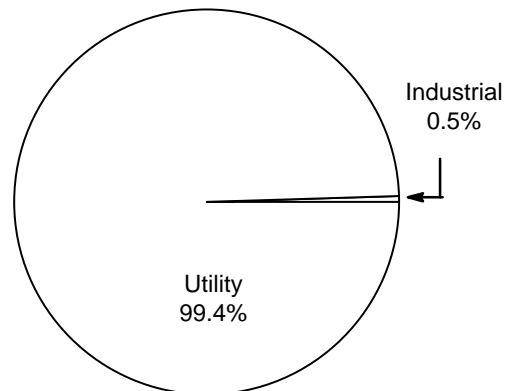
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 41.40 | .14 |
| Industrial | 26,580.00 | 1.97 |
| Utility | 25,461.00 | 354.63 |
| Total | 52,082.40 | 356.74 |

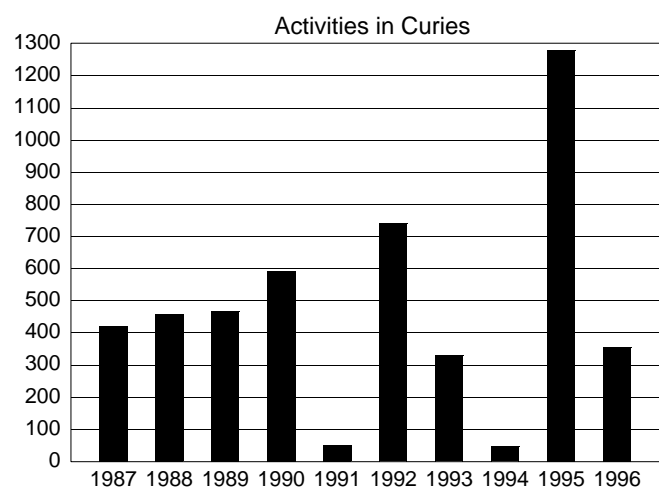
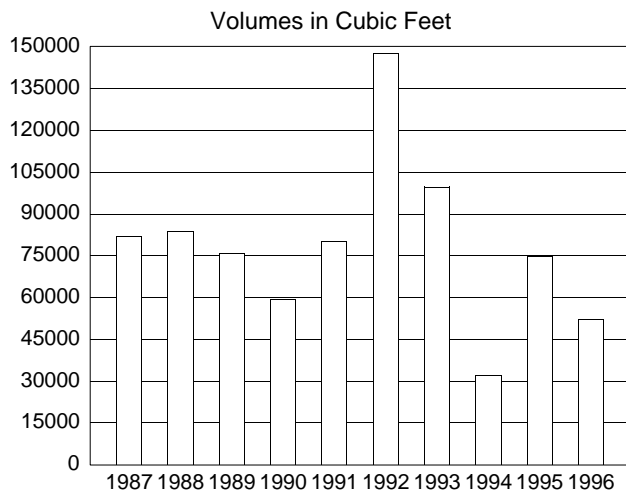
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

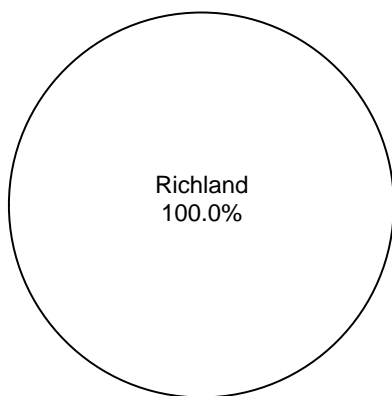


OREGON

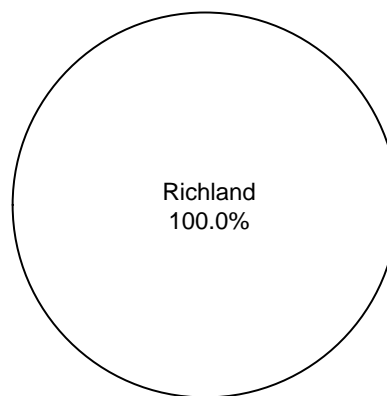
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Richland | <u>52,082.40</u> | <u>356.74</u> |
| Total | 52,082.40 | 356.74 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

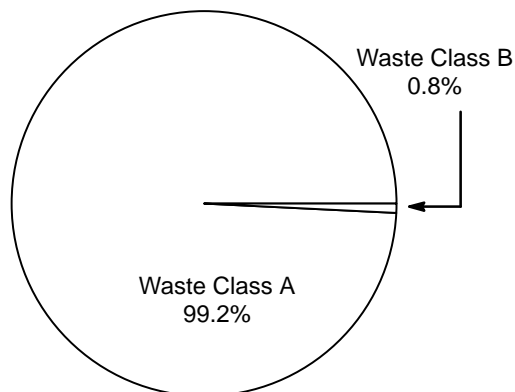


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 51,685.20 |
| B | 397.20 |
| C | <u>0</u> |
| Total | 52,082.40 |
| Nondirect Shipments | <u>0</u> |
| Total Volume | 52,082.40 |
| Total Activity (curies) | 356.74 |

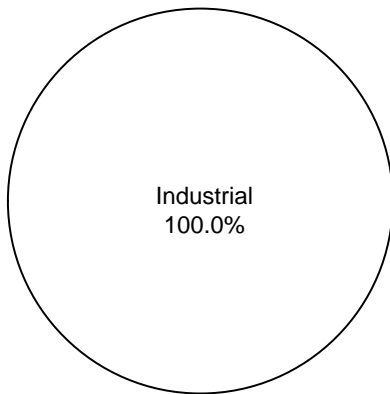


UTAH

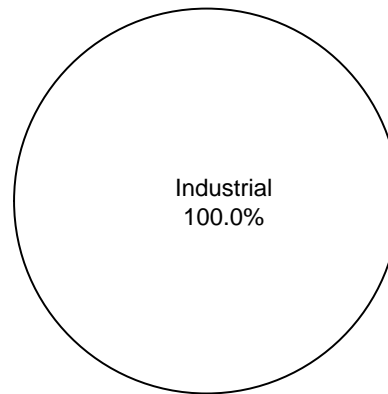
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Industrial | 4,924.50 | .26 |
| Total | 4,924.50 | .26 |

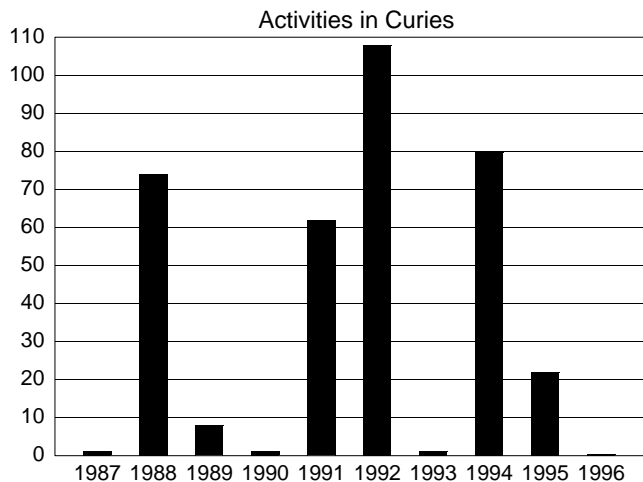
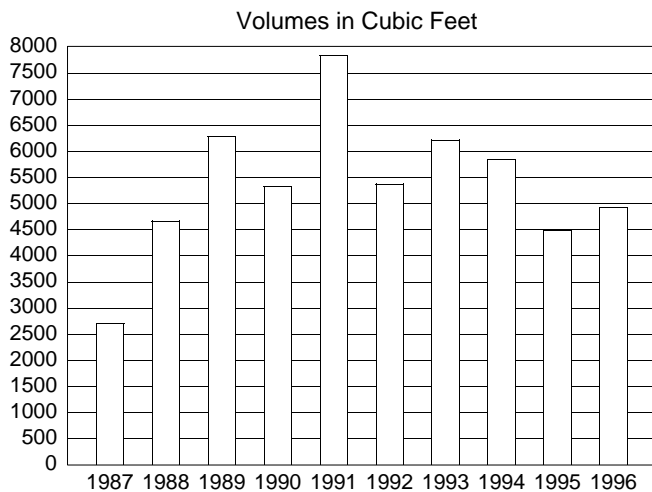
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

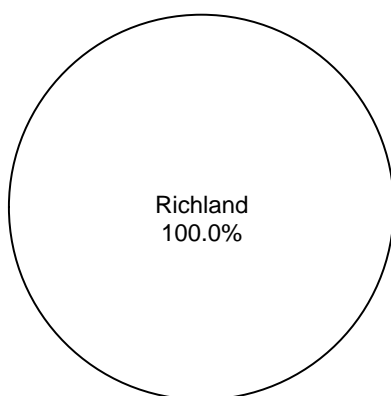


UTAH

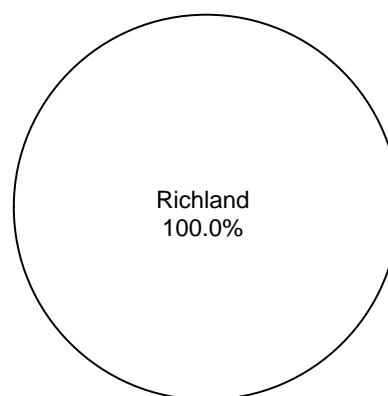
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Richland | 4,924.50 | .26 |
| Total | 4,924.50 | .26 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

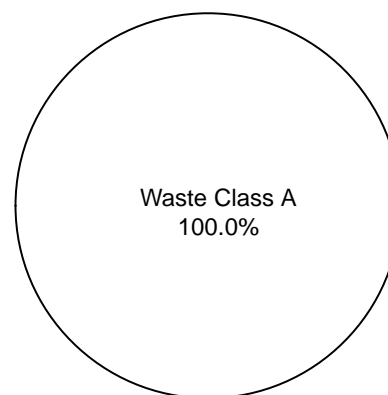


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 4,924.50 |
| B | 0 |
| C | 0 |
| Total | 4,924.50 |
| Nondirect Shipments | 0 |
| Total Volume | 4,924.50 |
| Total Activity (curies) | .26 |

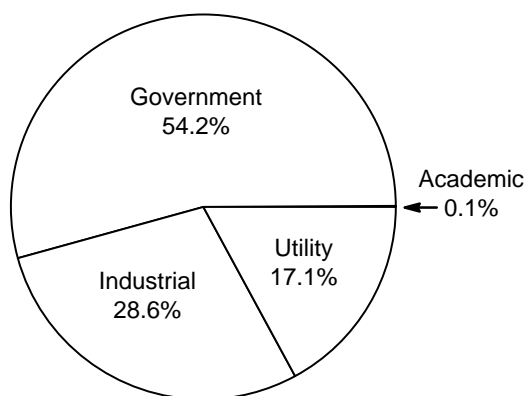


WASHINGTON

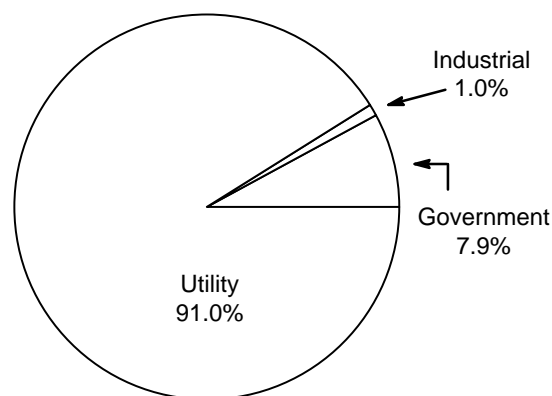
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 39.68 | .16 |
| Government | 18,252.00 | 49.98 |
| Industrial | 9,648.71 | 6.86 |
| Utility | 5,755.70 | 573.63 |
| Total | 33,696.09 | 630.63 |

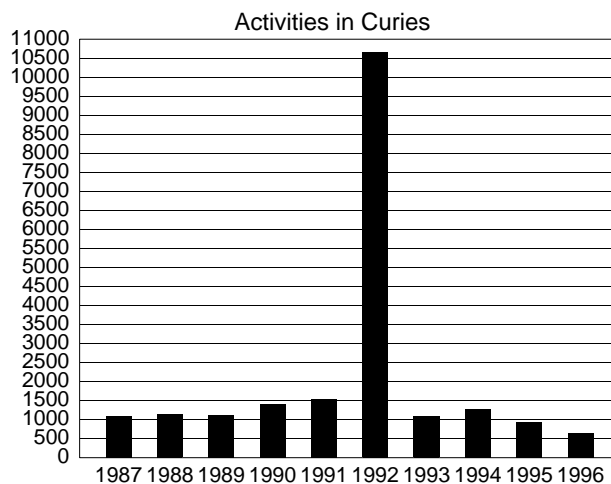
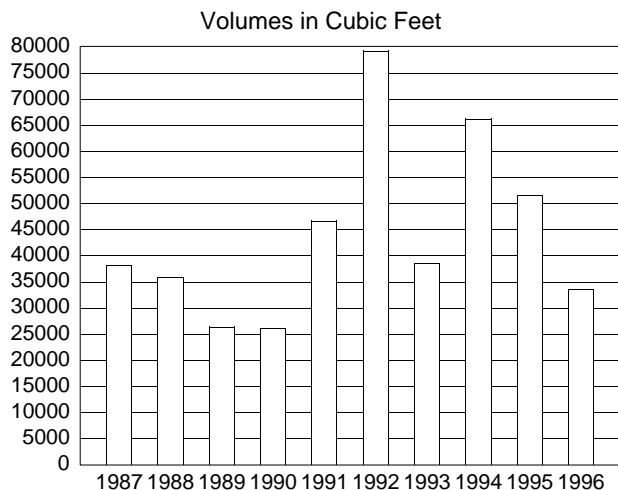
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

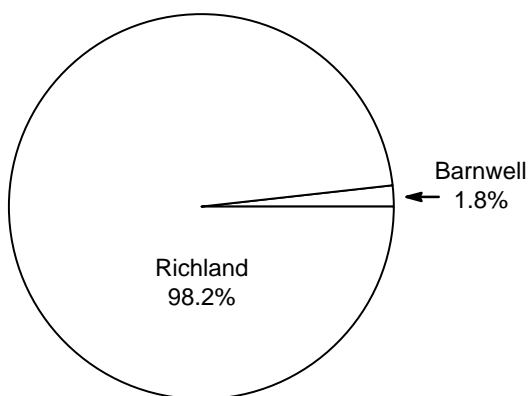


WASHINGTON

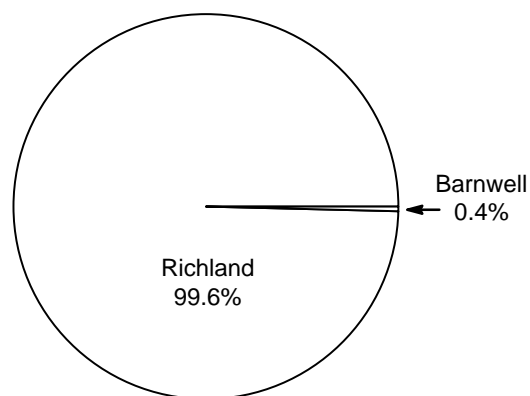
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|---------------|---------------------------|-------------------|
| Barnwell | 597.10 | 2.41 |
| Richland | 33,098.99 | 628.22 |
| Total | 33,696.09 | 630.63 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

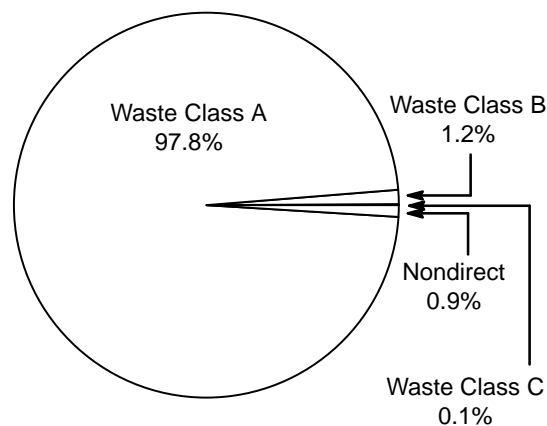


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|-----------------------------|---------------------------|
| A | 32,956.39 |
| B | 397.20 |
| C | 49.90 |
| Total | 33,403.49 |
| Nondirect Shipments | 292.60 |
| Total Volume | 33,696.09 |
| Total Activity (curies) | 630.63 |

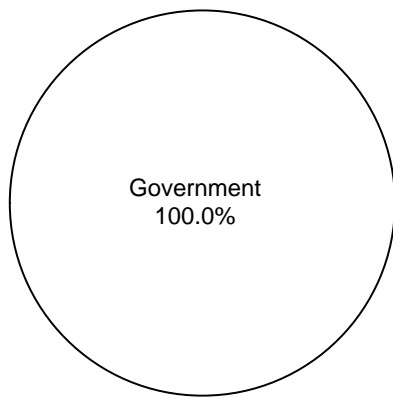


WYOMING

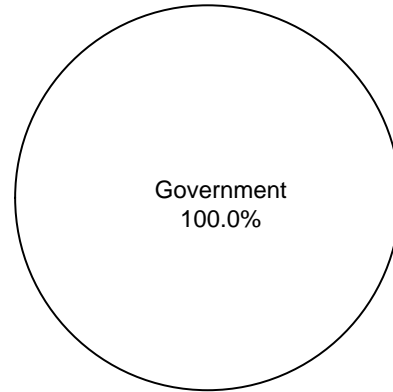
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | .50 | 13.21 |
| Total | .50 | 13.21 |

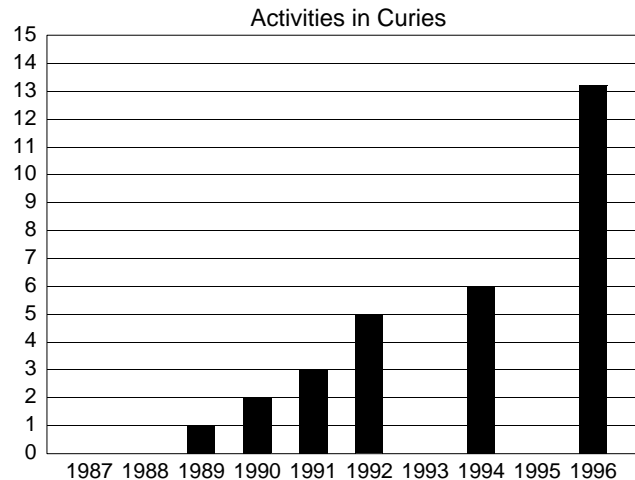
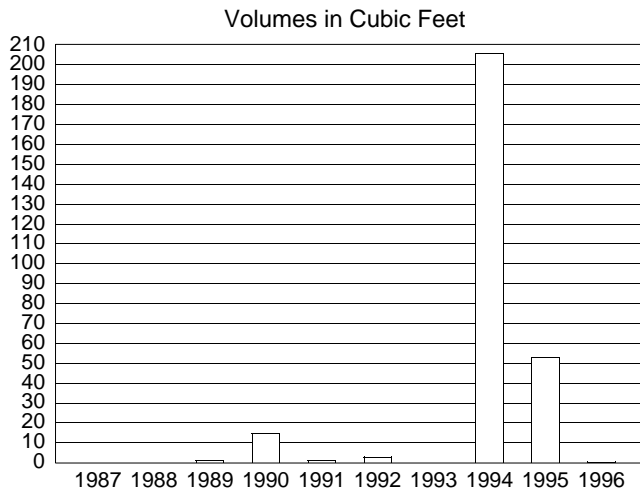
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



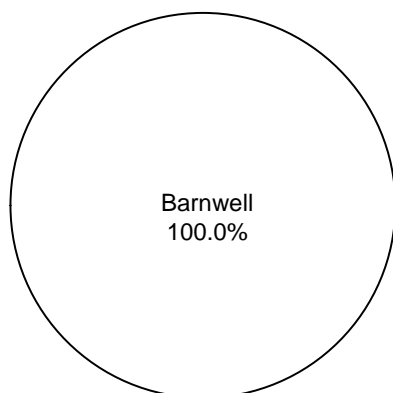
COMPARISON BY YEAR



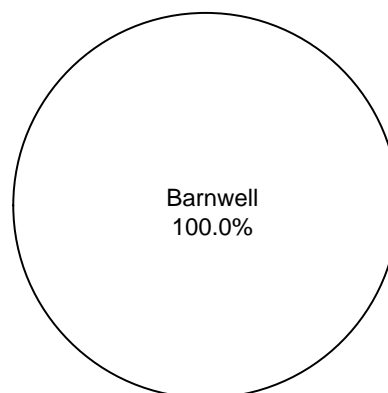
WYOMING **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>.50</u> | <u>13.21</u> |
| Total | .50 | 13.21 |

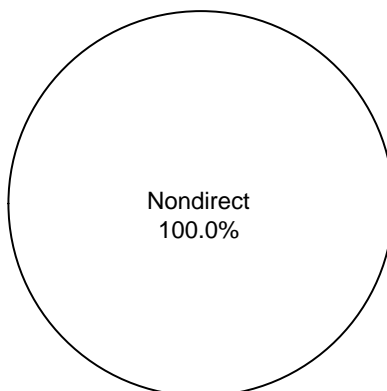
VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)



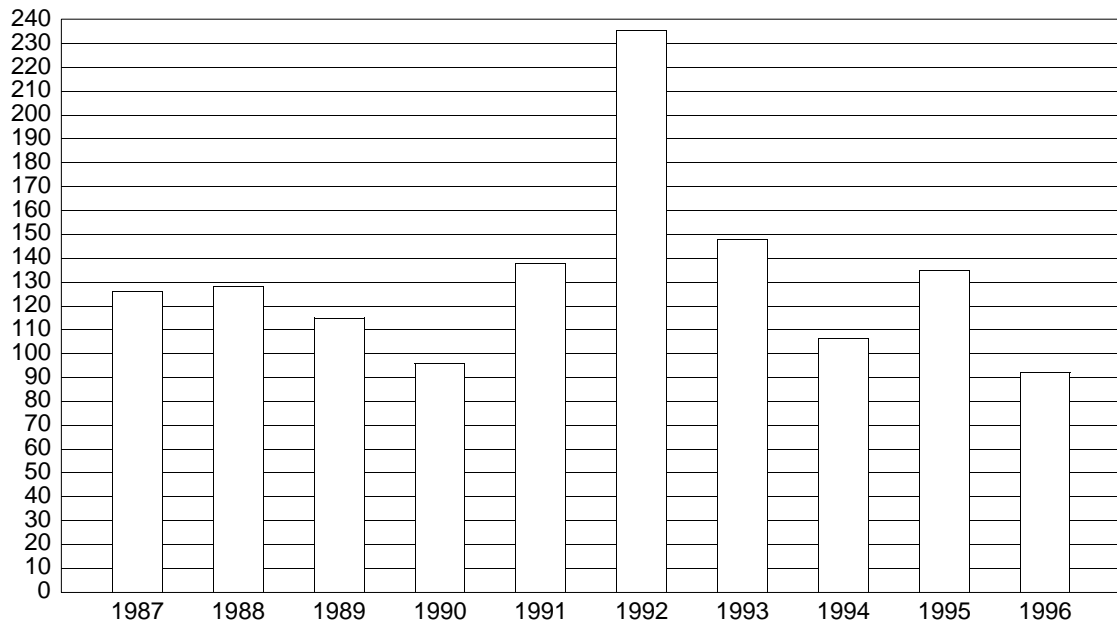
VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE
 (Percentages <.1% are not displayed)



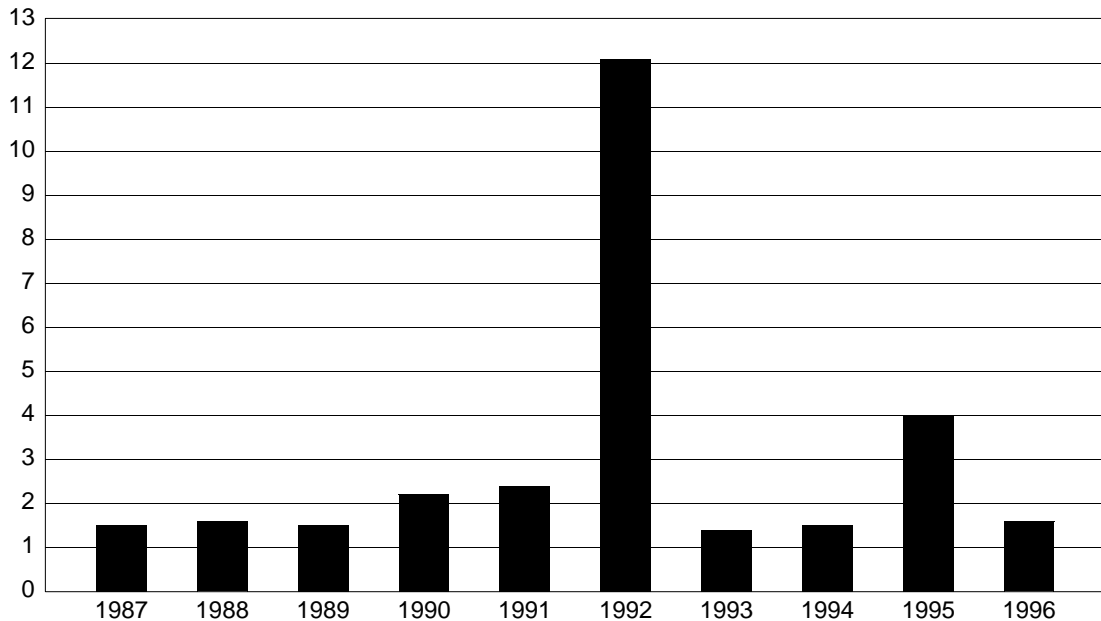
NORTHWEST COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Northeast compact region.

Volumes in Cubic Feet x 1000



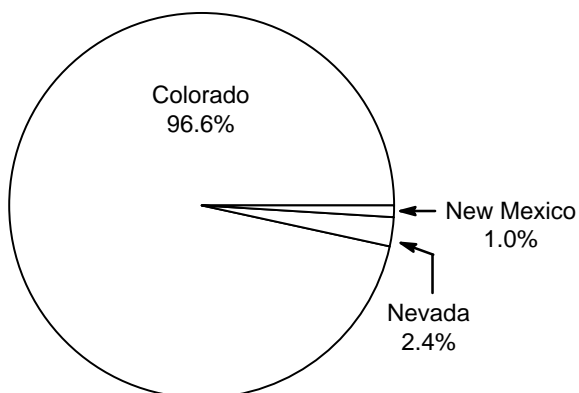
Activities in Curies x 1000



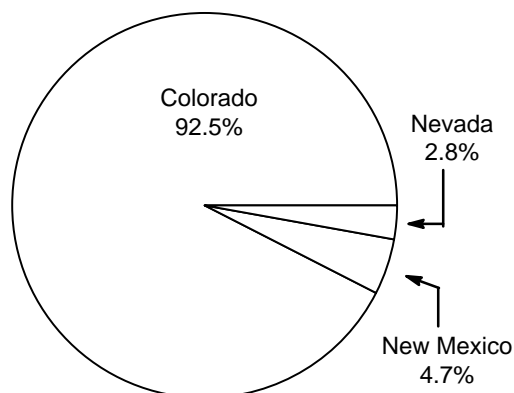
ROCKY MOUNTAIN COMPACT **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| States | Volume (ft ³) | Activity (curies) |
|------------|------------------------------|----------------------|
| Colorado | 4,671.74 | 76.65 |
| Nevada | 117.70 | 2.35 |
| New Mexico | 49.90 | 3.89 |
| Total | 4,839.34 | 82.89 |

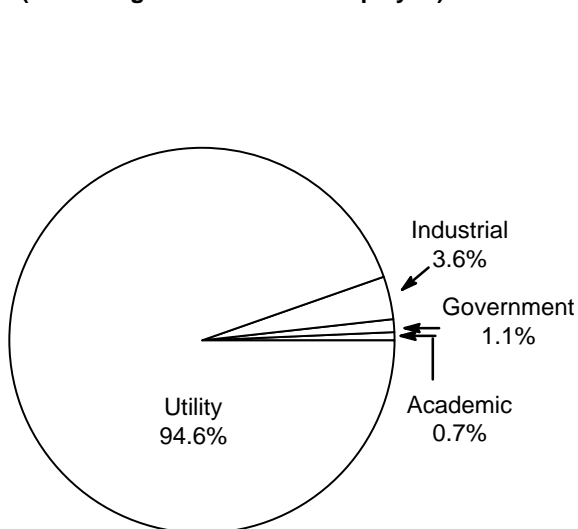
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



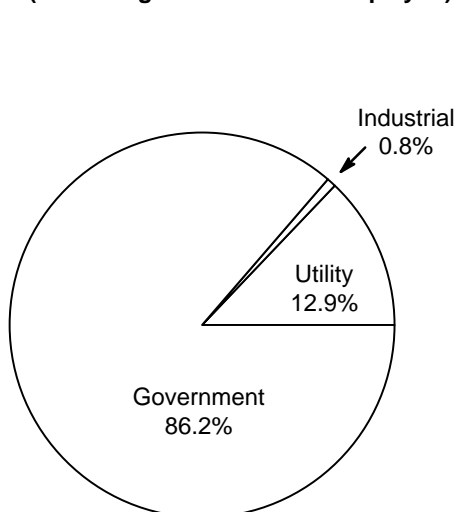
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

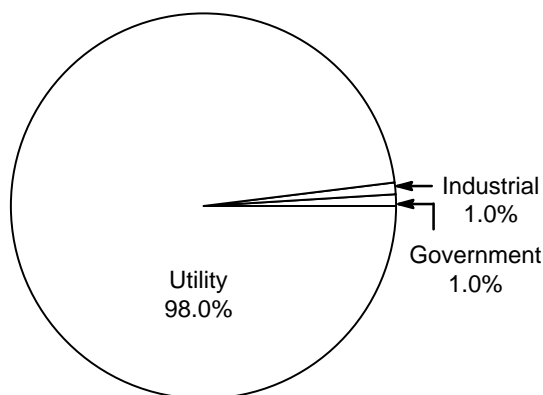


COLORADO

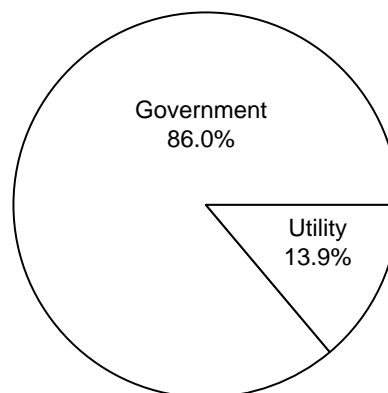
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 47.30 | 65.99 |
| Industrial | 46.54 | <.1 |
| Utility | 4,577.90 | 10.66 |
| Total | 4,671.74 | 76.65 |

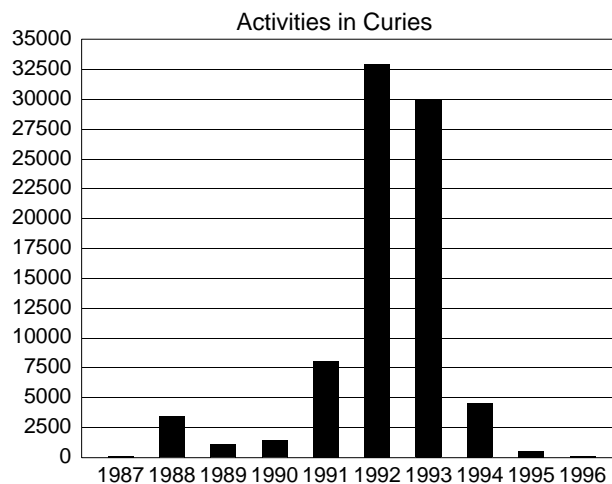
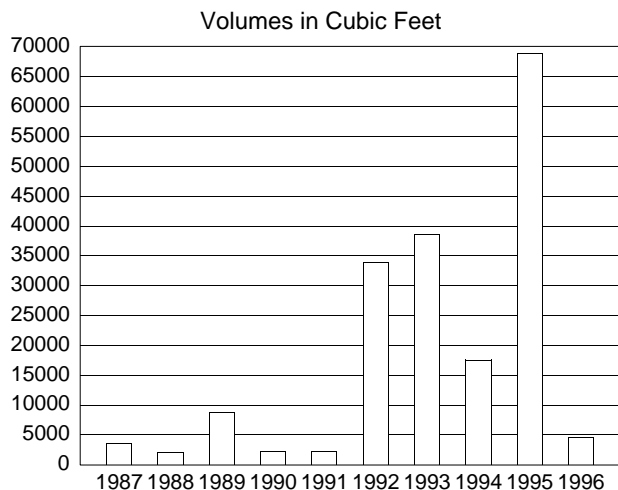
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



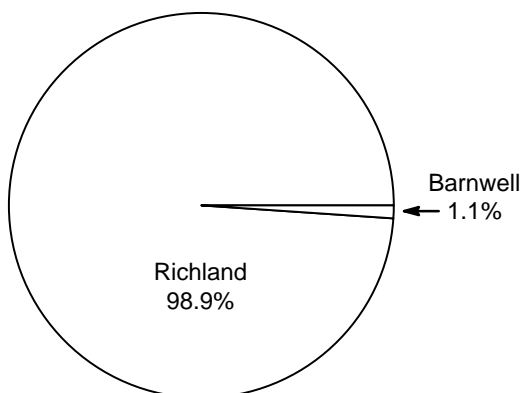
COMPARISON BY YEAR



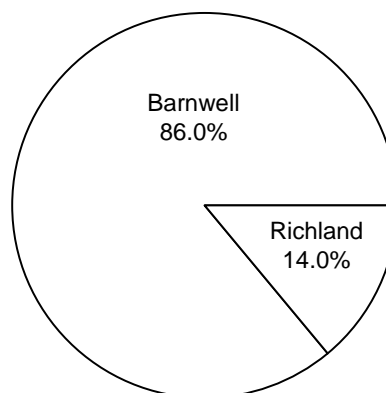
COLORADO **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| Disposal Site | Volume (ft ³) | Activity (curies) |
|---------------|---------------------------|-------------------|
| Barnwell | 48.84 | 65.94 |
| Richland | 4,622.90 | 10.71 |
| Total | 4,671.74 | 76.65 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

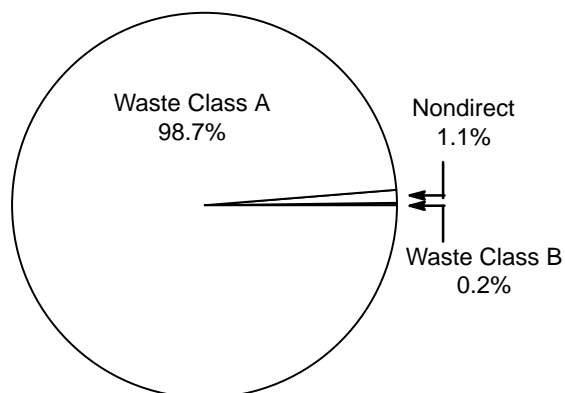


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS FOR DIRECT SHIPMENTS AND TOTAL NONDIRECT VOLUME PERCENTAGE
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | Volume (ft ³) |
|-----------------------------|---------------------------|
| A | 4,615.40 |
| B | 7.50 |
| C | 0 |
| Total | 4,622.90 |
| Nondirect Shipments | 48.84 |
| Total Volume | 4,671.74 |
| Total Activity (curies) | 76.65 |

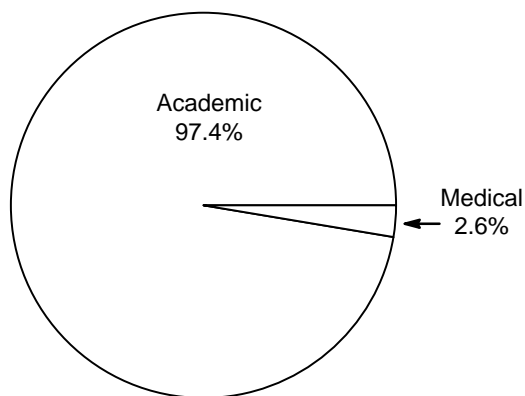


NEVADA

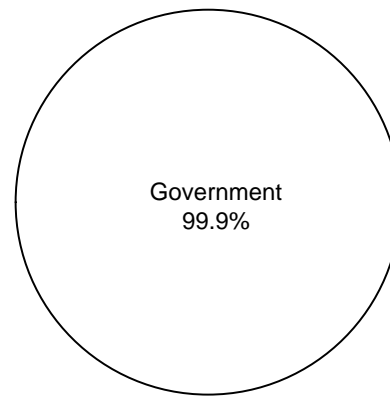
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 3.10 | 2.35 |
| Industrial | 114.60 | <.01 |
| Total | 117.70 | 2.35 |

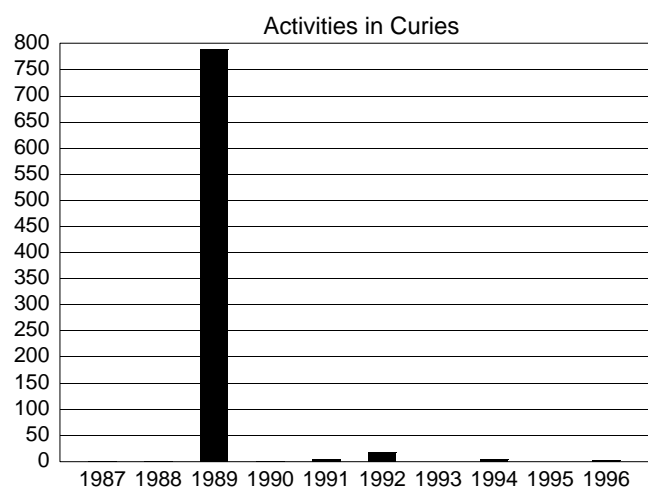
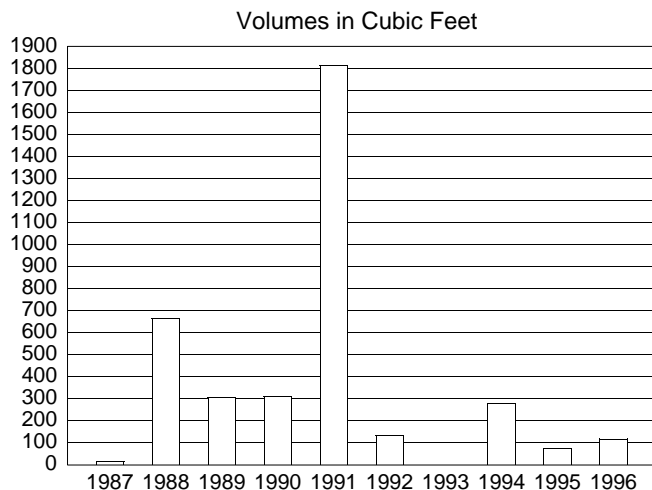
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

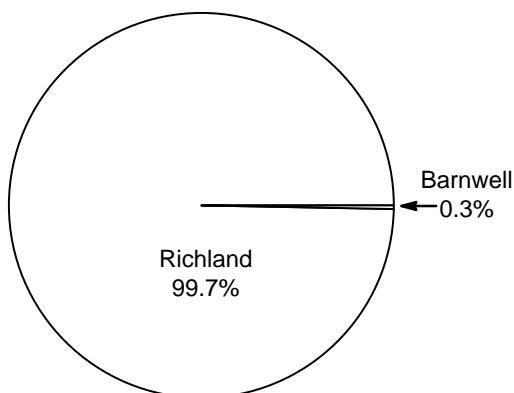


NEVADA

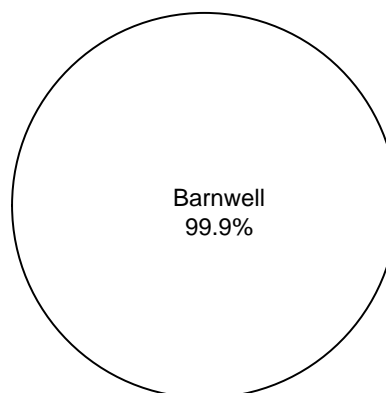
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | .40 | 2.35 |
| Richland | 117.30 | <.01 |
| Total | 117.70 | 2.35 |

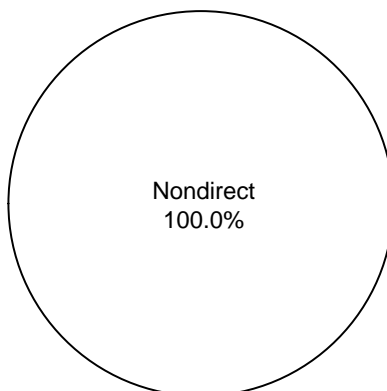
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

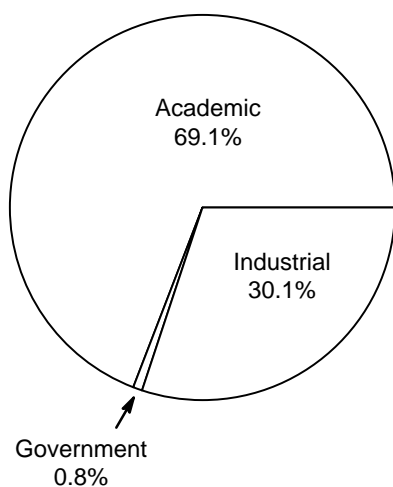


NEW MEXICO

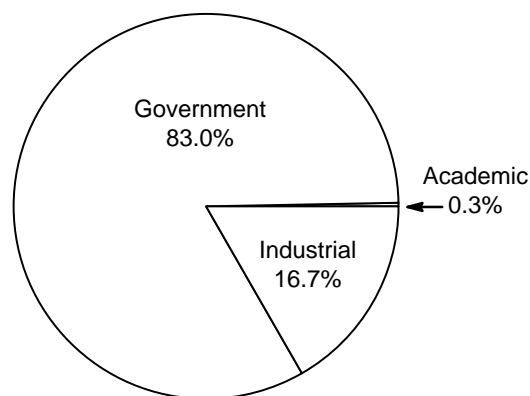
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 34.50 | .01 |
| Government | .40 | 3.23 |
| Industrial | 15.00 | .65 |
| Total | 49.90 | 3.89 |

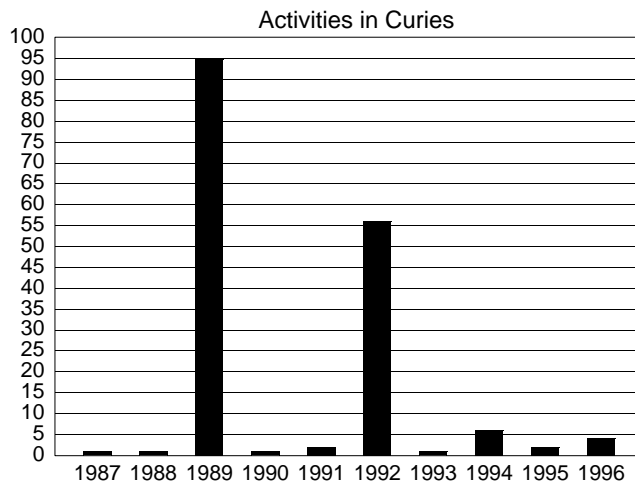
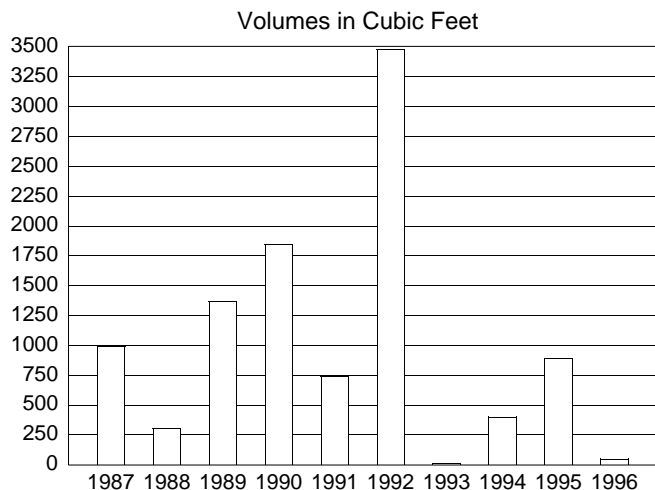
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

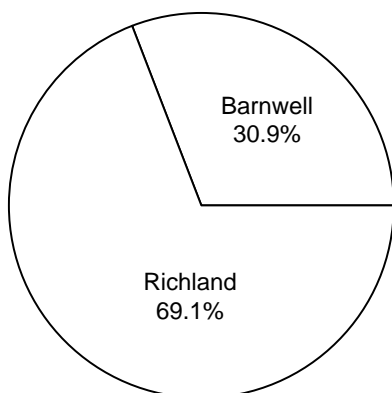


NEW MEXICO

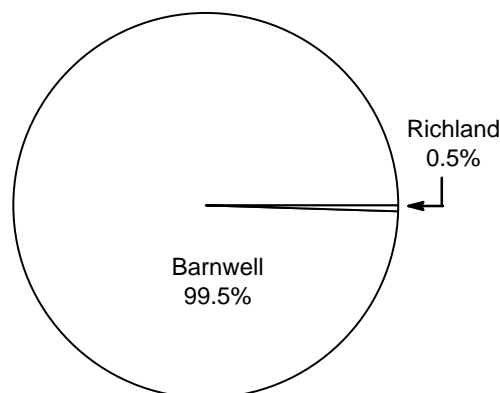
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 15.40 | 3.87 |
| Richland | 34.50 | .02 |
| Total | 49.90 | 3.89 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

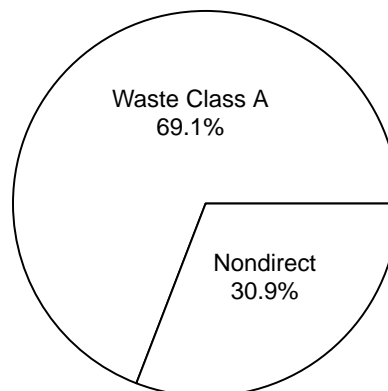


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

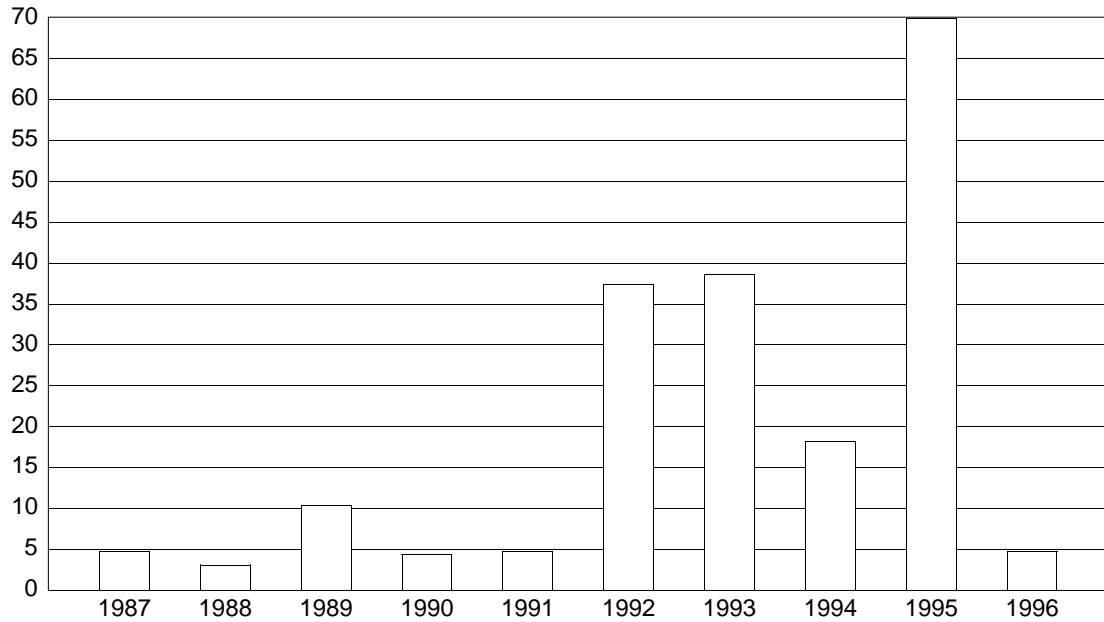
| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 34.50 |
| B | 0 |
| C | 0 |
| Total | 34.50 |
| Nondirect Shipments | 15.40 |
| Total Volume | 49.90 |
| Total Activity (curies) | 3.89 |



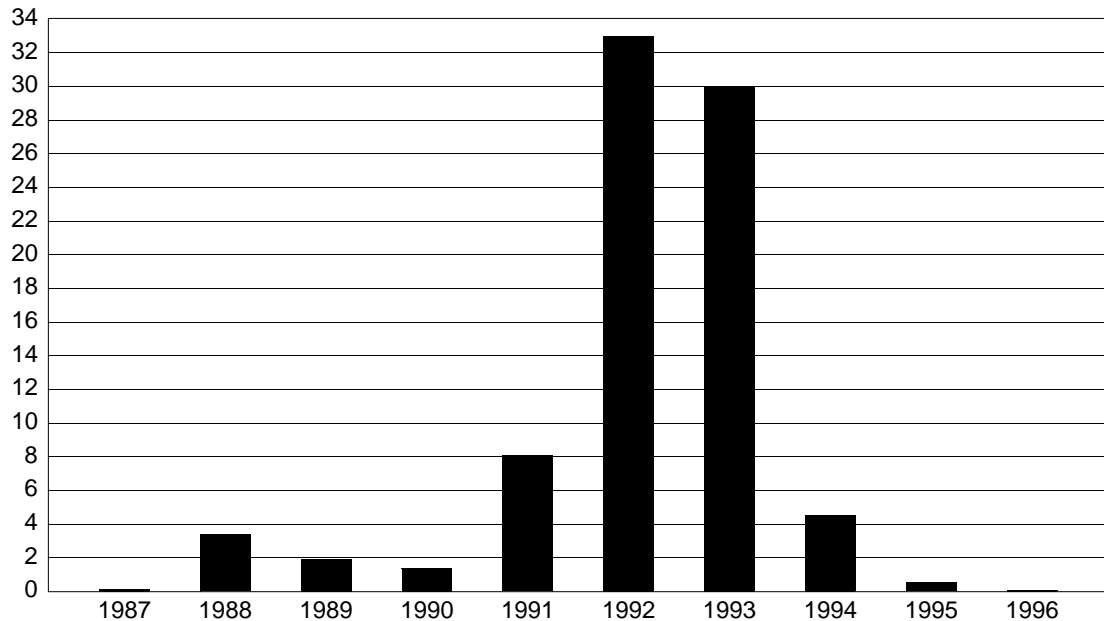
ROCKY MOUNTAIN COMPACT Comparison By Year

NOTE: The years 1987 through 1996 includes all states currently being reported in the Rocky Mountain compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

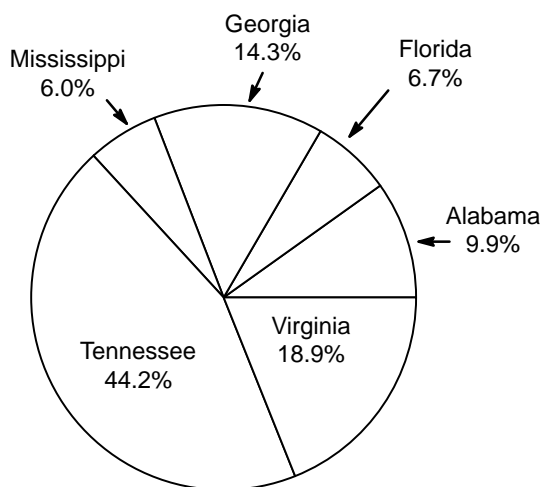


SOUTHEAST COMPACT

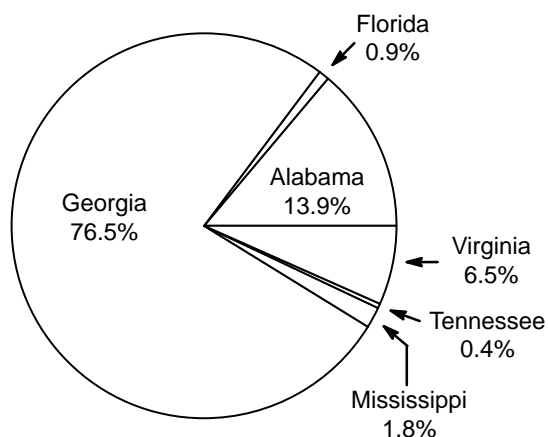
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|----------------|------------------------------|----------------------|
| Alabama | 9,267.12 | 22,281.20 |
| Florida | 6,220.33 | 1,417.70 |
| Georgia | 13,405.88 | 122,519.67 |
| Mississippi | 5,600.72 | 2,817.54 |
| North Carolina | 0 | 0 |
| Tennessee | 41,312.95 | 644.86 |
| Virginia | 17,663.13 | 10,375.11 |
| Total | 93,470.13 | 160,056.07 |

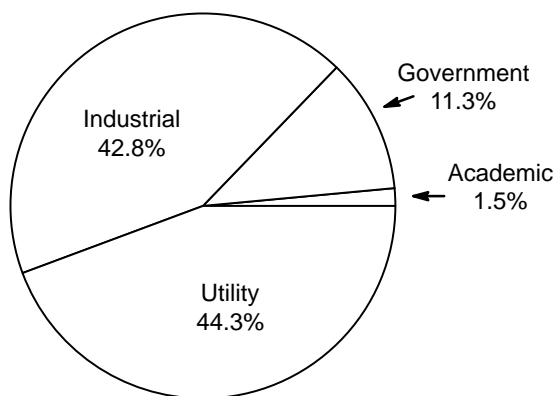
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



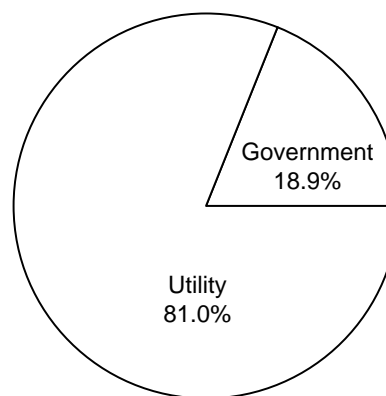
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

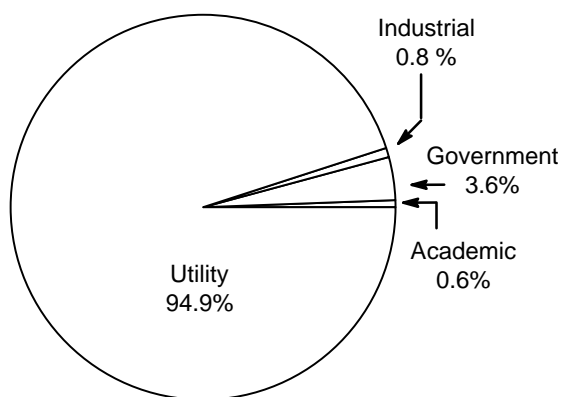


ALABAMA

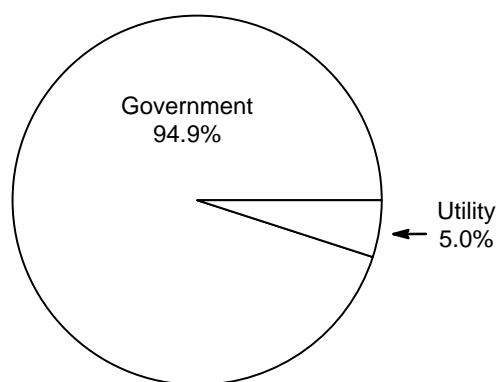
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 51.68 | .02 |
| Government | 335.60 | 21,163.68 |
| Industrial | 76.64 | 2.91 |
| Medical | 2.50 | <.01 |
| Utility | 8,800.70 | 1,114.58 |
| Total | 9,267.12 | 22,281.20 |

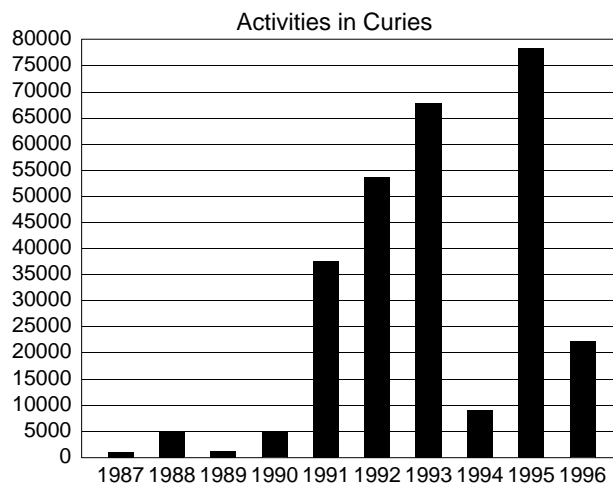
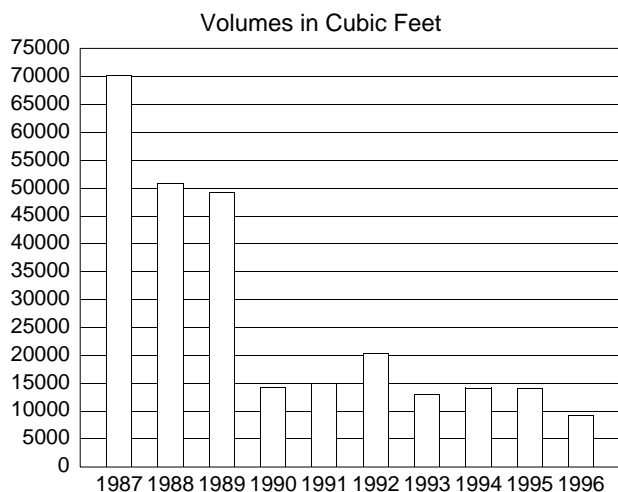
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

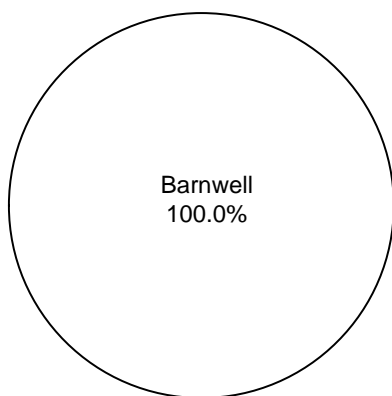


ALABAMA

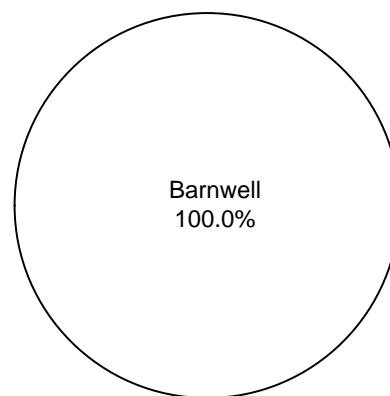
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>9,267.12</u> | <u>22,281.20</u> |
| Total | 9,267.12 | 22,281.20 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

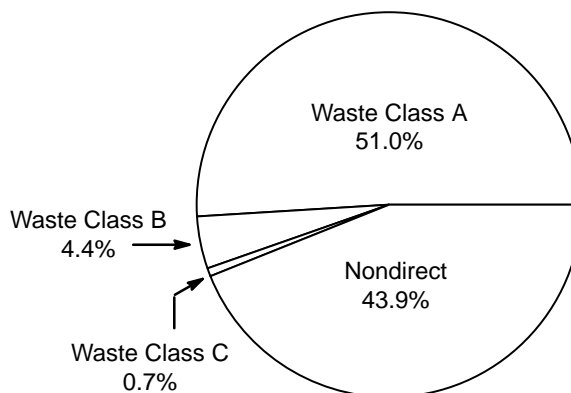


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 4,730.80 |
| B | 409.20 |
| C | <u>61.20</u> |
| Total | 5,201.20 |
| Nondirect Shipments | <u>4,065.92</u> |
| Total Volume | 9,267.12 |
| Total Activity (curies) | 22,281.20 |

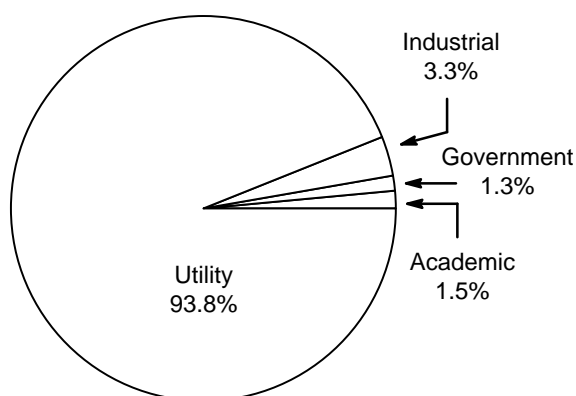


FLORIDA

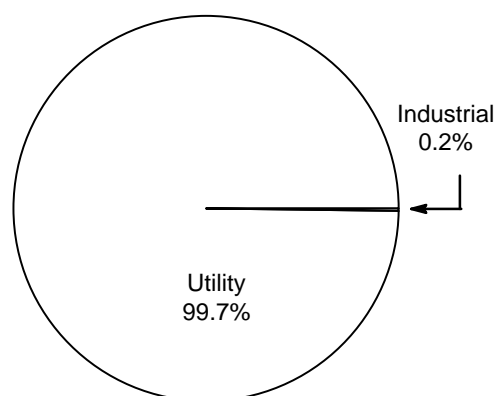
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 93.10 | .21 |
| Government | 79.62 | .74 |
| Industrial | 206.41 | 2.39 |
| Medical | 1.50 | .23 |
| Utility | 5,839.70 | 1,414.13 |
| Total | 6,220.33 | 1,417.70 |

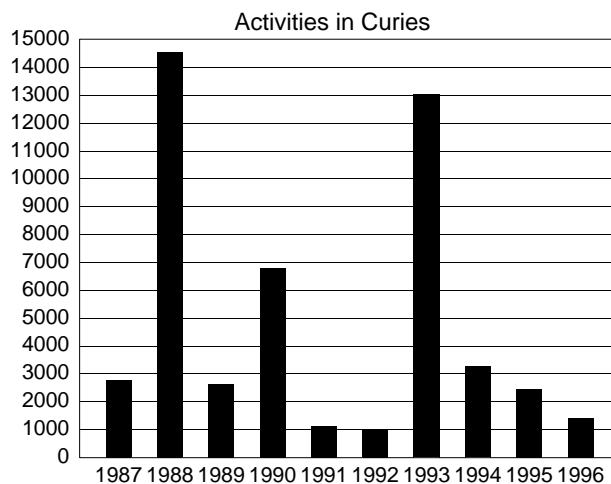
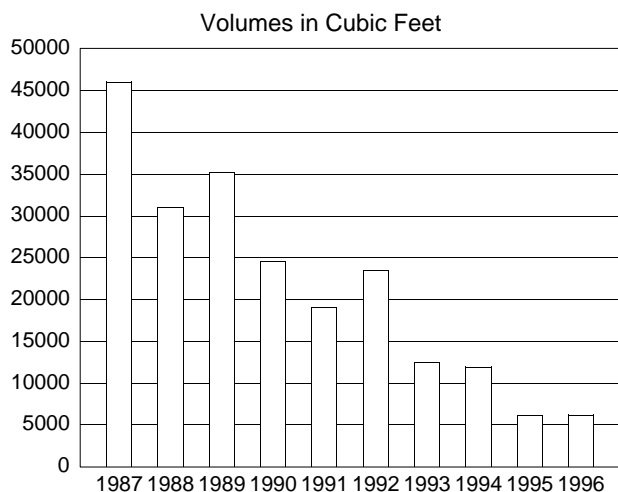
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



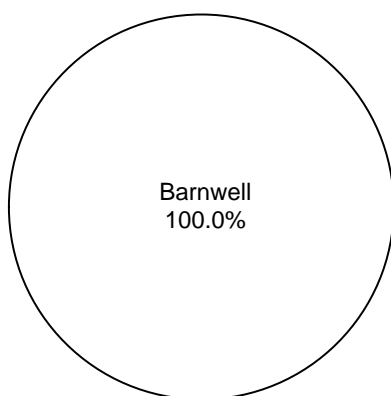
COMPARISON BY YEAR



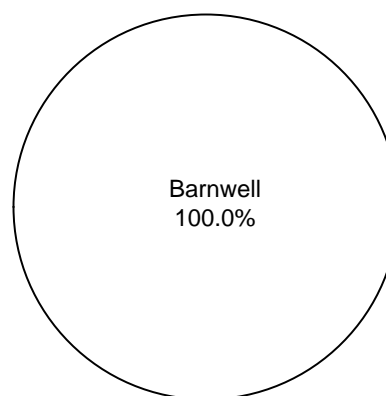
FLORIDA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>6,220.33</u> | <u>1,417.70</u> |
| Total | 6,220.33 | 1,417.70 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

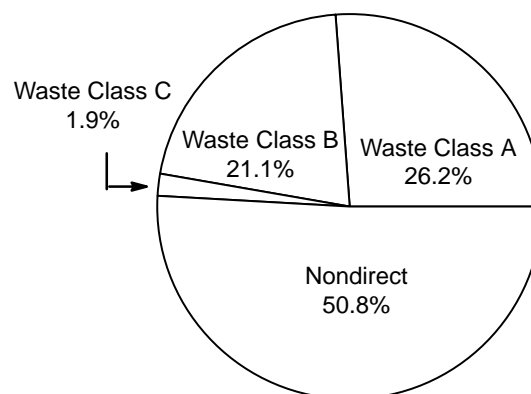


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS FOR DIRECT SHIPMENTS AND TOTAL NONDIRECT VOLUME PERCENTAGE
(Percentages <.1% are not displayed)

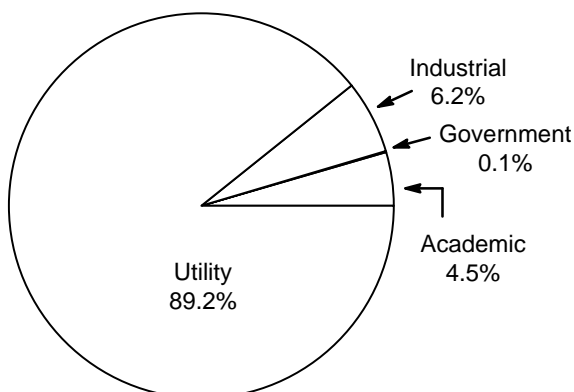
| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 1,627.90 |
| B | 1,312.80 |
| C | <u>120.30</u> |
| Total | 3,061.00 |
| Nondirect Shipments | <u>3,159.33</u> |
| Total Volume | 6,220.33 |
| Total Activity (curies) | 1,417.70 |



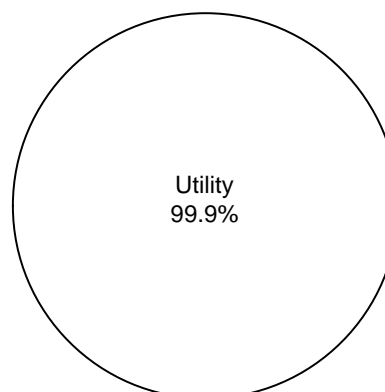
GEORGIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 595.89 | 2.44 |
| Government | 16.52 | .01 |
| Industrial | 833.78 | 2.17 |
| Utility | 11,959.69 | 122,515.04 |
| Total | 13,405.88 | 122,519.67 |

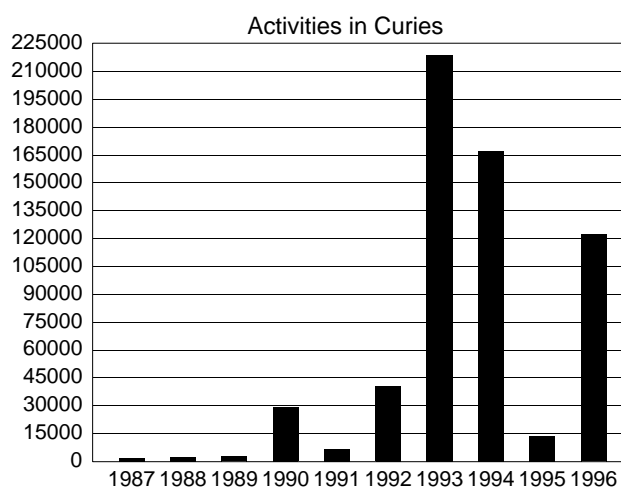
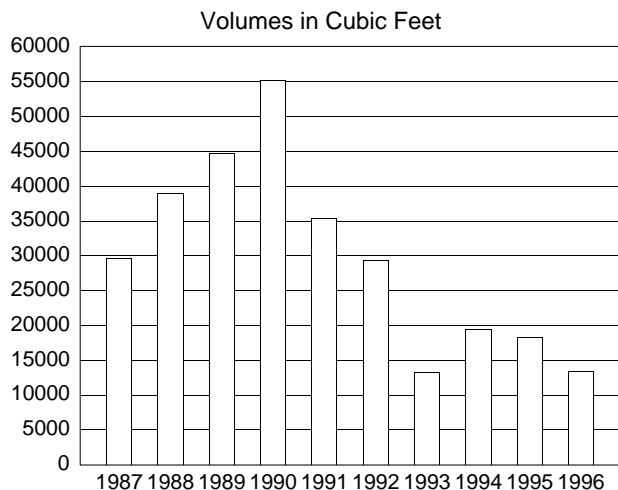
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



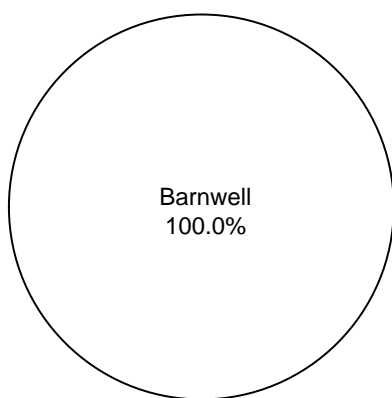
COMPARISON BY YEAR



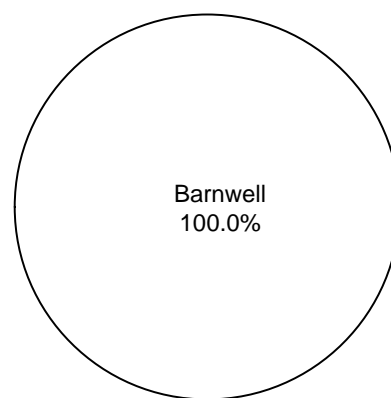
GEORGIA **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>13,405.88</u> | <u>122,519.67</u> |
| Total | 13,405.88 | 122,519.67 |

VOLUME PERCENTAGE BY DISPOSAL SITE
 (percentages <.1% are not displayed)

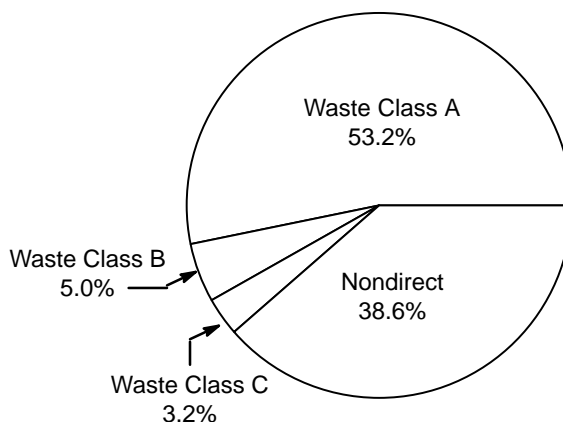


ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL NONDIRECT VOLUME PERCENTAGE
 (Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 7,127.70 |
| B | 667.70 |
| C | <u>424.80</u> |
| Total | 8,220.20 |
| Nondirect Shipments | <u>5,185.68</u> |
| Total Volume | 13,405.88 |
| Total Activity (curies) | 122,519.67 |

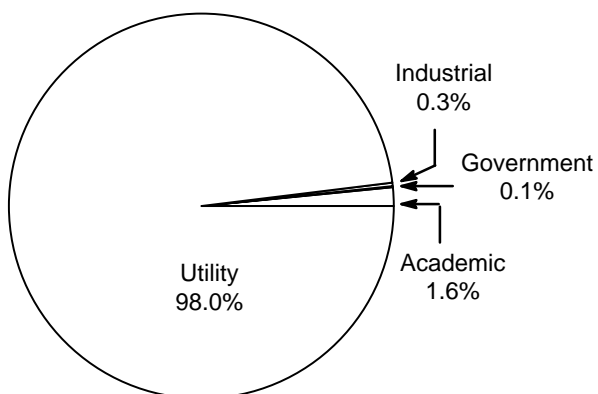


MISSISSIPPI

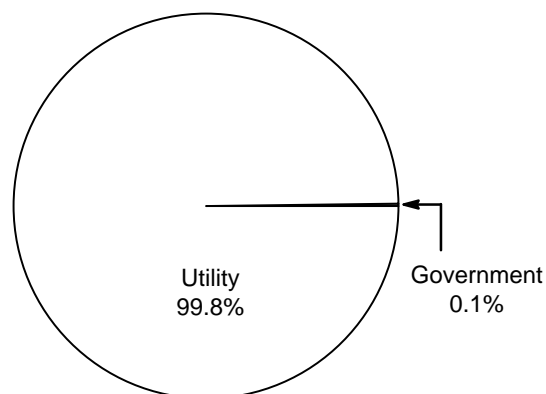
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|------------|------------------------------|----------------------|
| Academic | 90.50 | 1.66 |
| Government | 7.40 | 3.06 |
| Industrial | 17.52 | <.01 |
| Utility | 5,485.30 | 2,812.81 |
| Total | 5,600.72 | 2,817.54 |

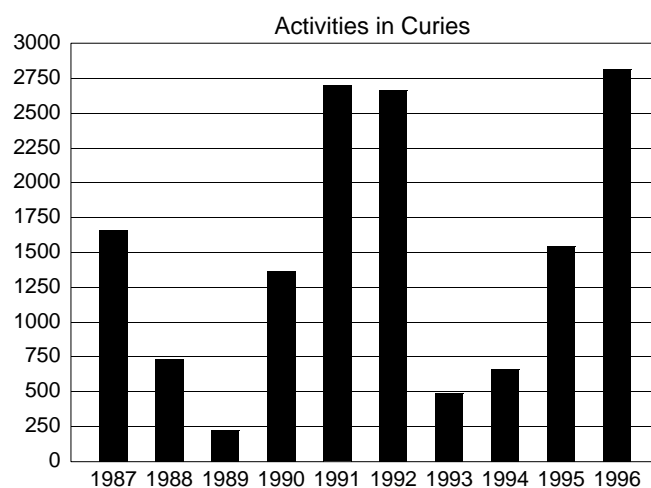
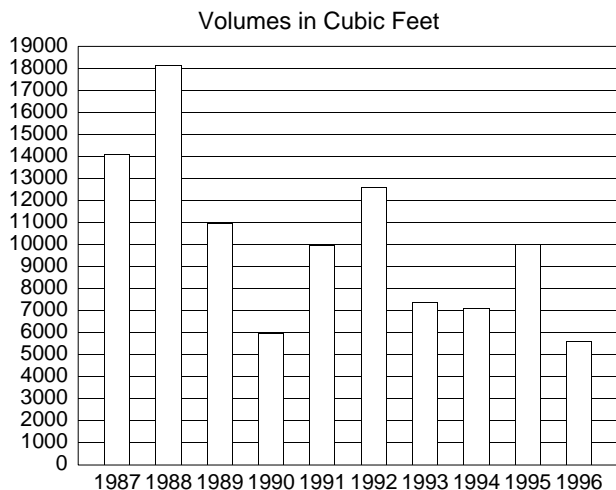
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

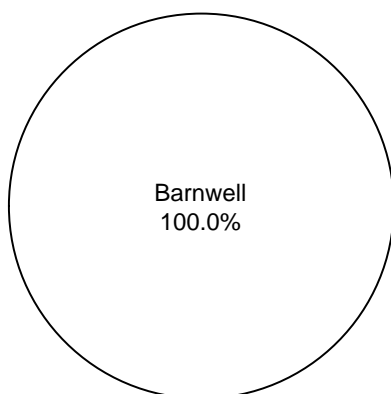


MISSISSIPPI

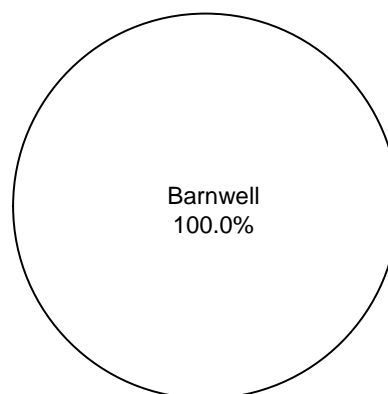
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>5,600.72</u> | <u>2,817.54</u> |
| Total | 5,600.72 | 2,817.54 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

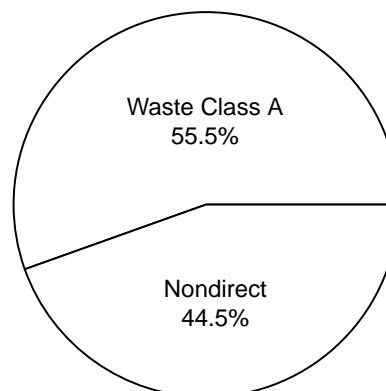


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 3,106.50 |
| B | 0 |
| C | <u>0</u> |
| Total | 3,106.50 |
| Nondirect Shipments | <u>2,494.12</u> |
| Total Volume | 5,600.72 |
| Total Activity (curies) | 2,817.54 |



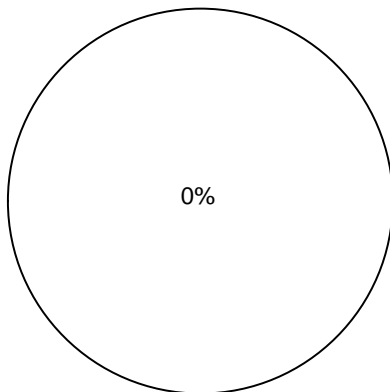
NORTH CAROLINA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

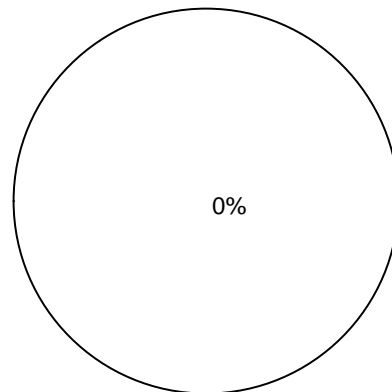
| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
|-----------------------|------------------------------|----------------------|

No LLW Disposed in 1996

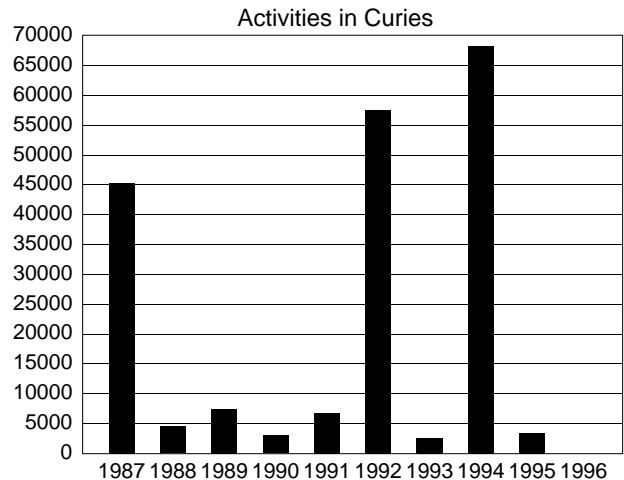
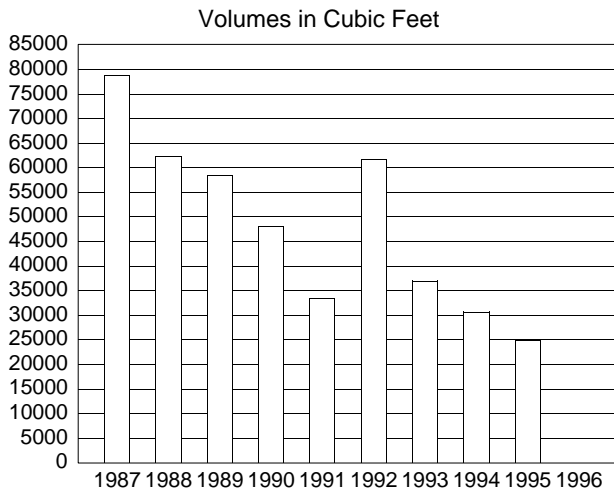
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

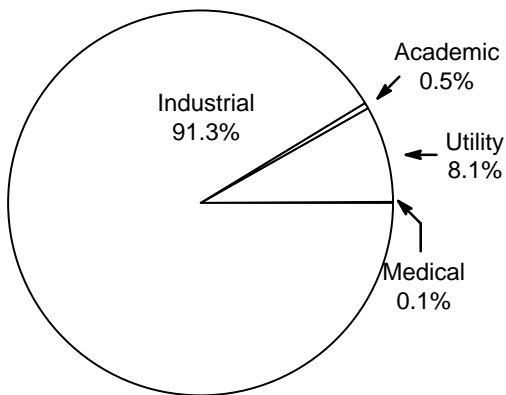


TENNESSEE

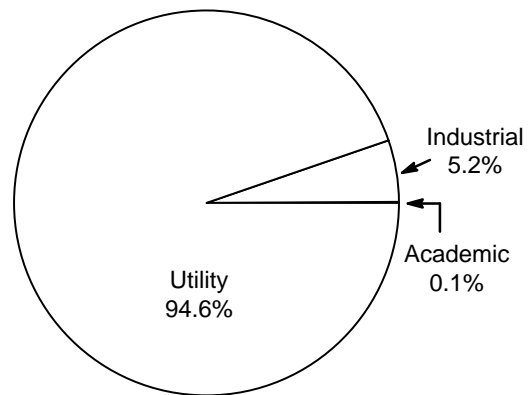
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 210.00 | .79 |
| Government | .10 | <.01 |
| Industrial | 37,717.55 | 33.18 |
| Medical | 54.20 | .17 |
| Utility | 3,331.10 | 610.71 |
| Total | 41,312.95 | 644.86 |

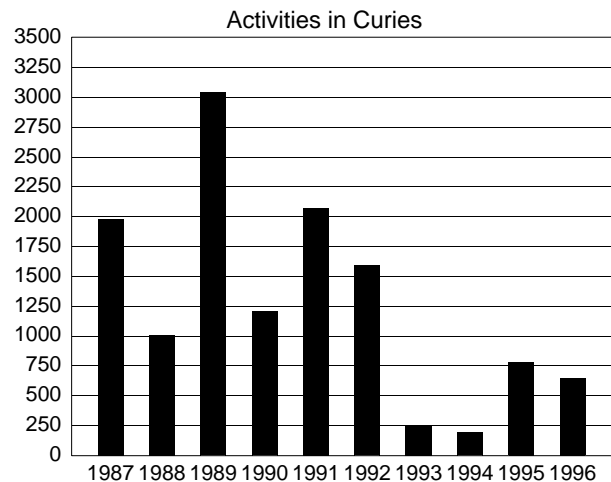
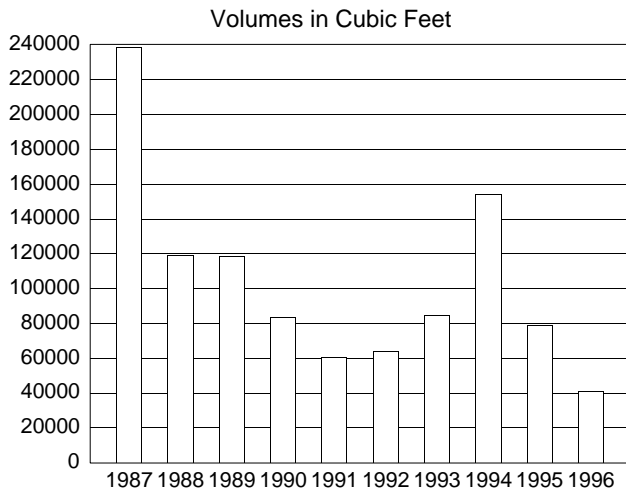
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

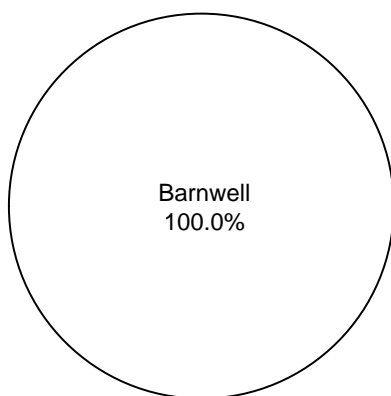


TENNESSEE

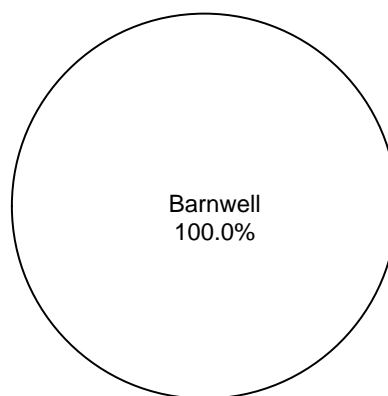
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>41,312.95</u> | <u>644.86</u> |
| Total | 41,312.95 | 644.86 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

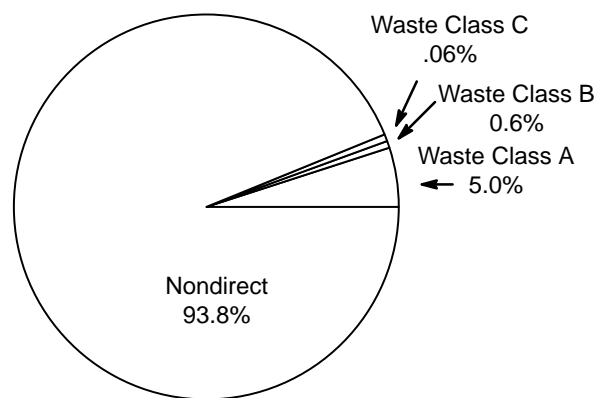


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 2,084.20 |
| B | 240.60 |
| C | <u>240.60</u> |
| Total | 2,565.40 |
| Nondirect Shipments | <u>38,747.55</u> |
| Total Volume | 41,312.95 |
| Total Activity (curies) | 644.86 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

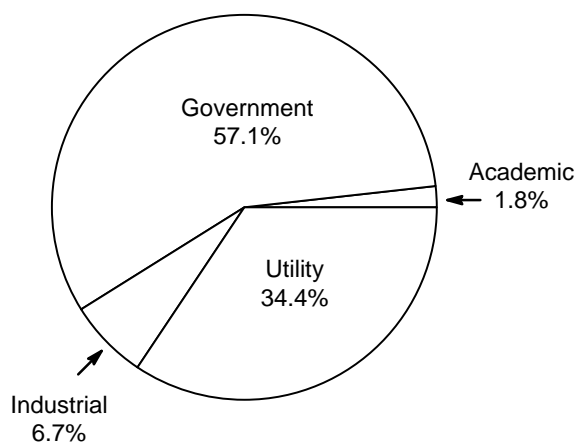


VIRGINIA

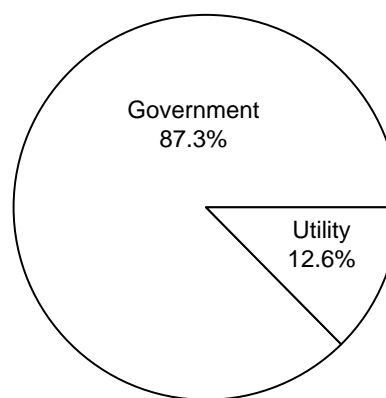
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 322.12 | 2.03 |
| Government | 10,092.20 | 9,055.35 |
| Industrial | 1,180.56 | 1.98 |
| Utility | 6,068.25 | 1,315.75 |
| Total | 17,663.13 | 10,375.11 |

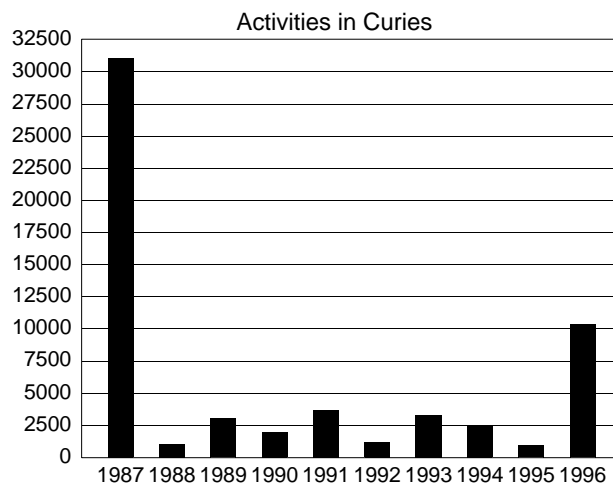
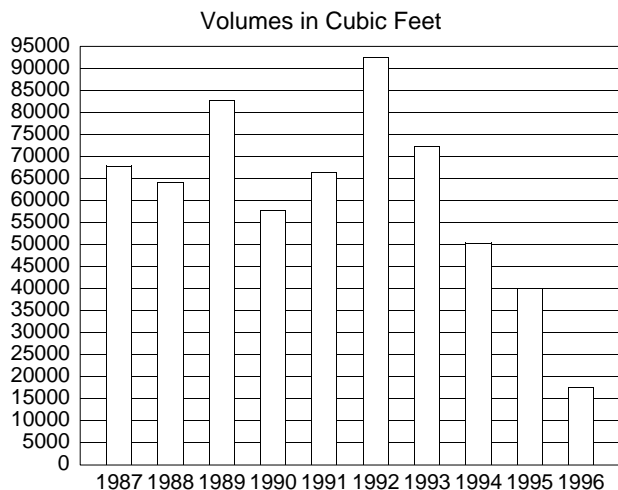
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

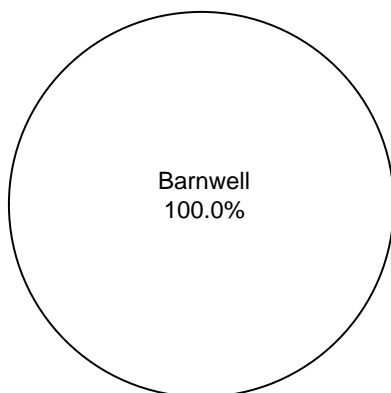


VIRGINIA

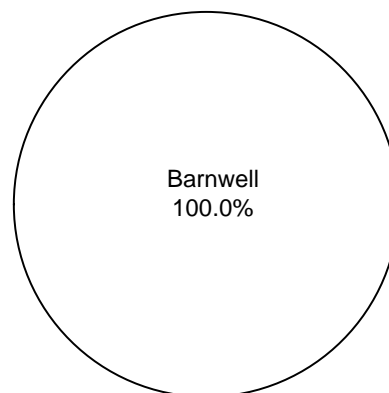
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>17,663.13</u> | <u>10,375.11</u> |
| Total | 17,663.13 | 10,375.11 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

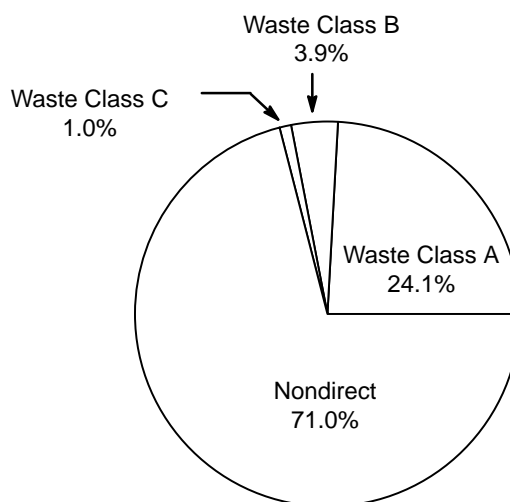


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

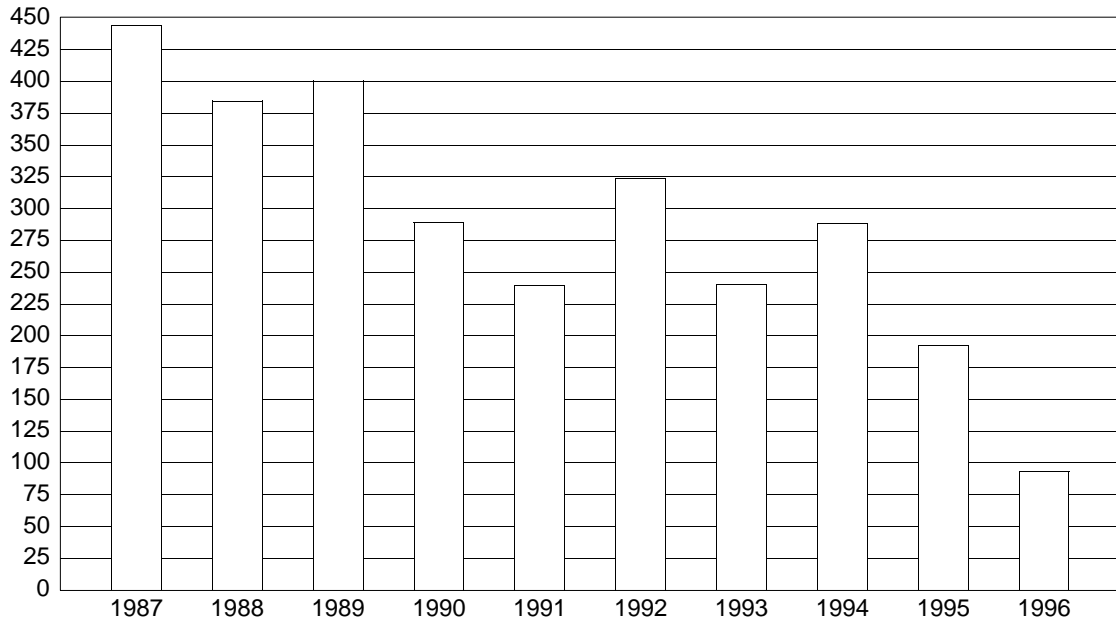
| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 4,247.60 |
| B | 684.90 |
| C | <u>170.80</u> |
| Total | 5,103.30 |
| Nondirect Shipments | <u>12,559.83</u> |
| Total Volume | 17,663.13 |
| Total Activity (curies) | 10,375.11 |



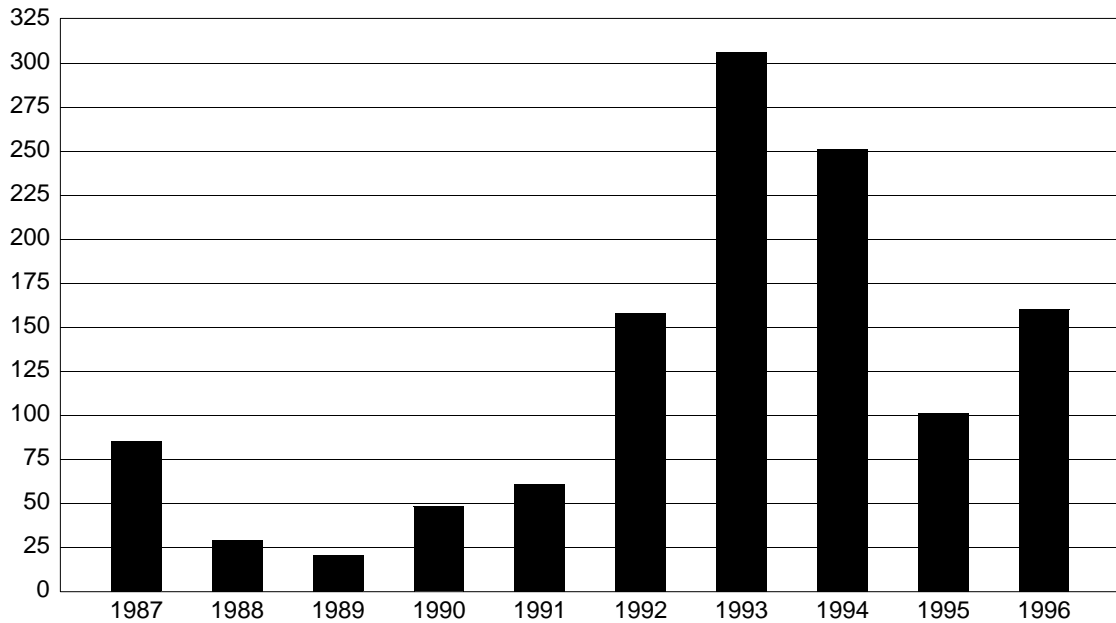
SOUTHEAST COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Southeast compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000

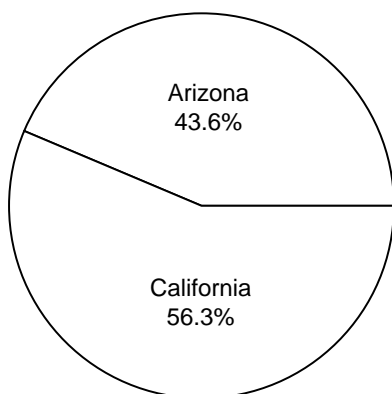


SOUTHWESTERN COMPACT

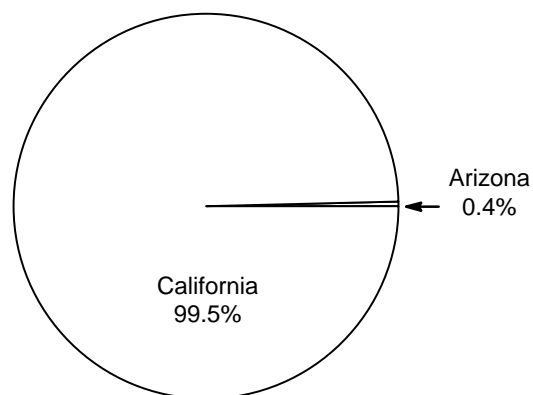
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|--------------|------------------------------|----------------------|
| Arizona | 9,329.27 | 16.09 |
| California | 12,070.78 | 3,474.76 |
| North Dakota | 4.10 | .03 |
| South Dakota | 0 | 0 |
| Total | 21,404.15 | 3,490.87 |

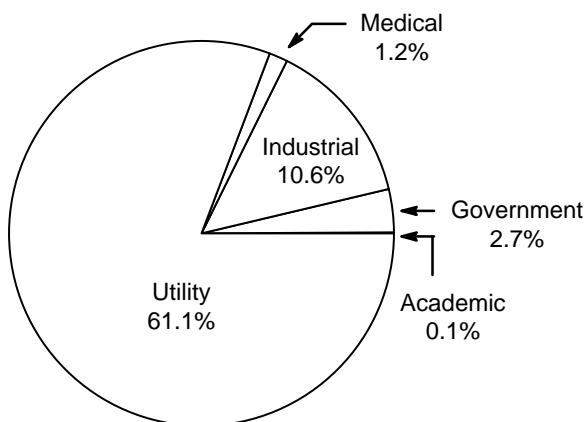
VOLUME PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



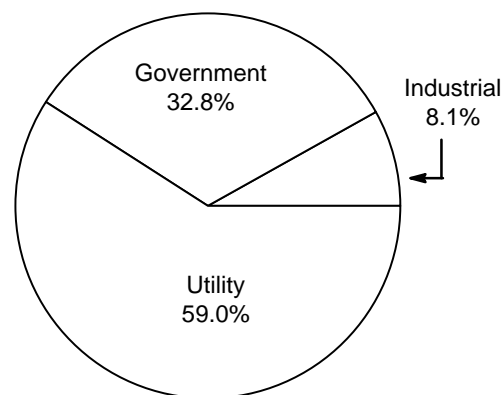
ACTIVITY PERCENTAGE BY STATE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)

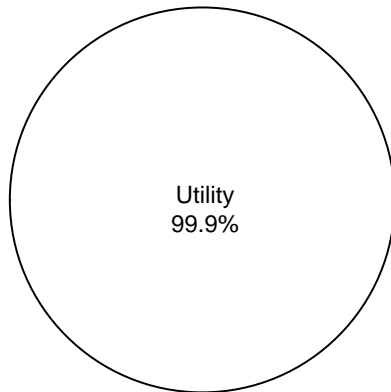


ARIZONA

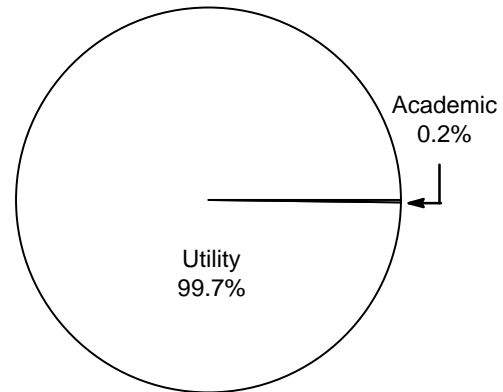
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 7.29 | .04 |
| Government | 1.98 | <.01 |
| Utility | 9,320.00 | 16.05 |
| Total | 9,329.27 | 16.09 |

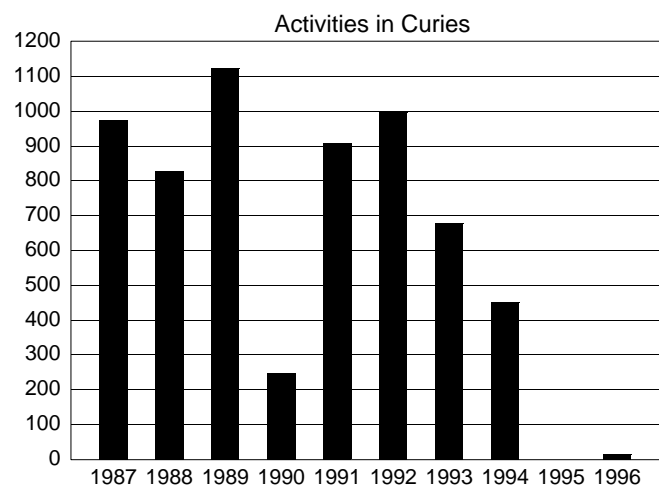
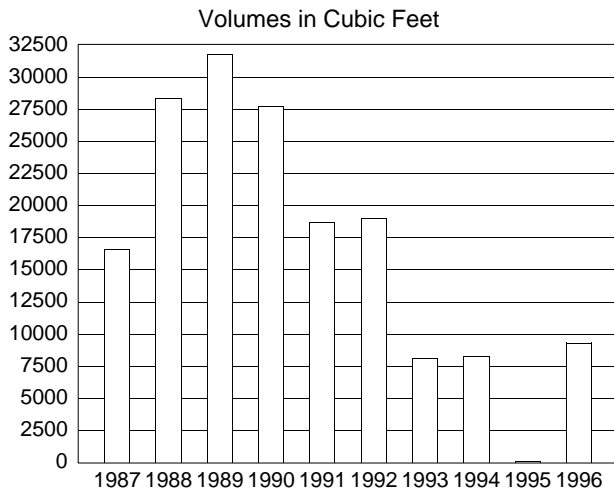
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

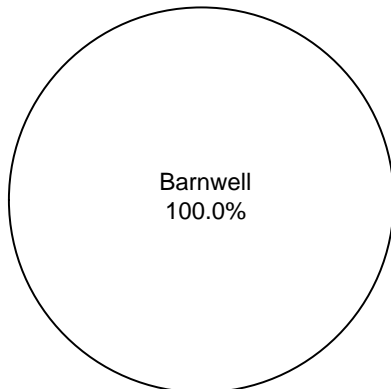


ARIZONA

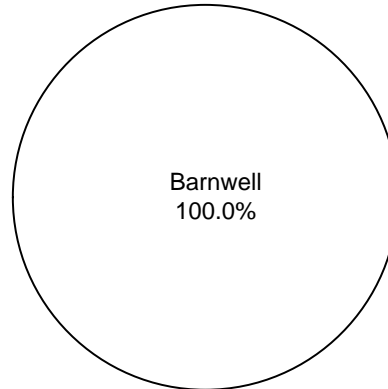
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Generator Category</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|-------------------------------|------------------------------------|------------------------------|
| Barnwell | <u>9,329.27</u> | <u>16.09</u> |
| Total | 9,329.27 | 16.09 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

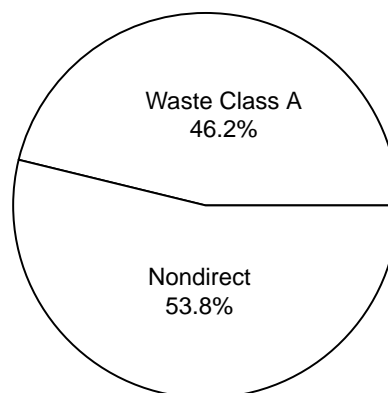


Direct Shipment
Waste Class

Volume
(ft³)

| | |
|-------------------------|-----------------|
| A | 4,310.40 |
| B | 0 |
| C | <u>0</u> |
| Total | 4,310.40 |
| Nondirect Shipments | <u>5,018.87</u> |
| Total Volume | 9,329.27 |
| Total Activity (curies) | 16.09 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

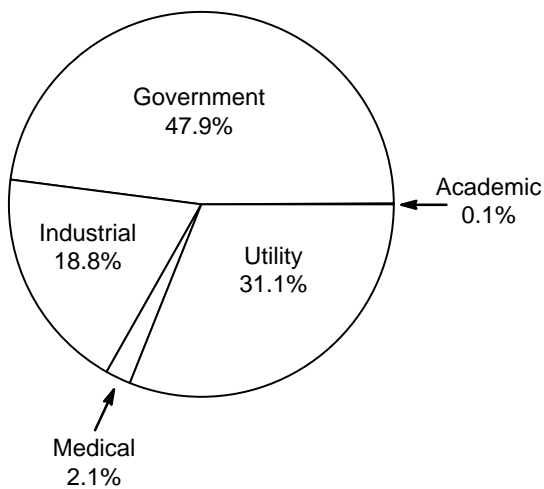


CALIFORNIA

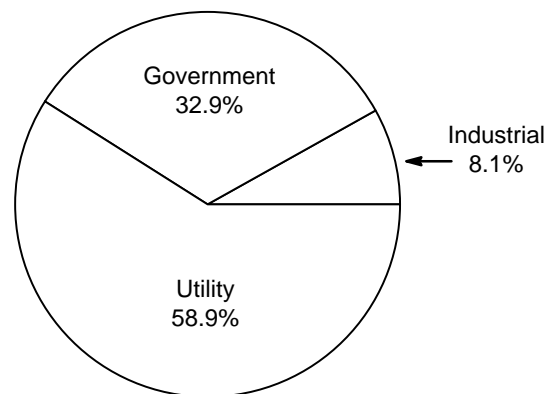
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|------------|------------------------------|----------------------|
| Academic | 10.81 | .24 |
| Government | 5,777.59 | 1,144.80 |
| Industrial | 2,266.14 | 283.17 |
| Medical | 247.02 | .62 |
| Utility | 3,769.22 | 2,045.93 |
| Total | 12,070.78 | 3,474.76 |

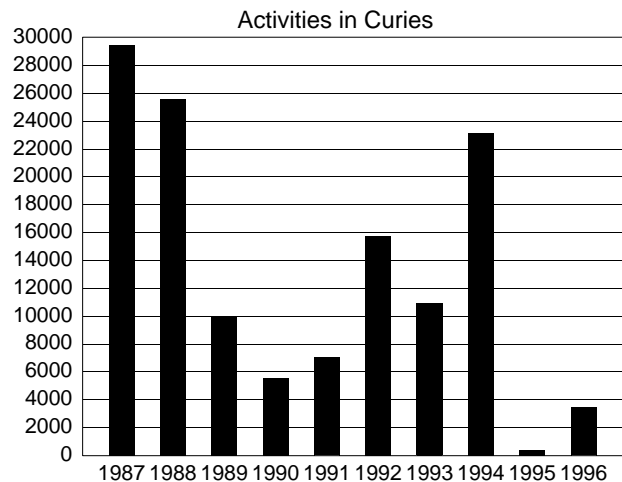
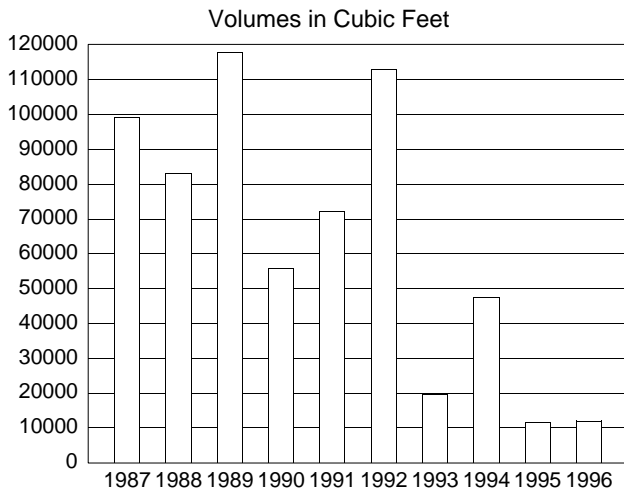
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

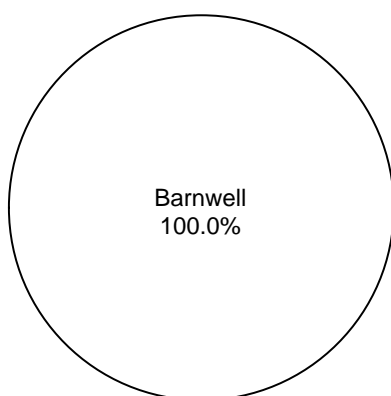


CALIFORNIA

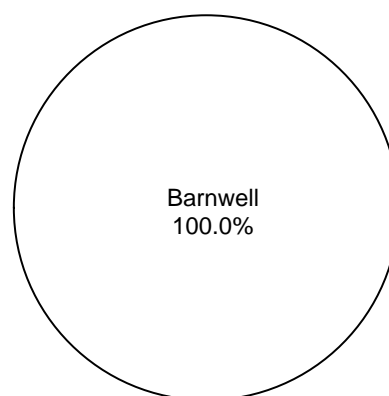
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>12,070.78</u> | <u>3,474.76</u> |
| Total | 12,070.78 | 3,474.76 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

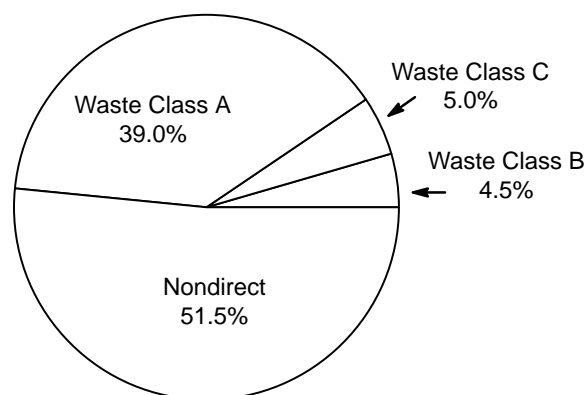


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|------------------------------------|--------------------------------|
| A | 4,706.90 |
| B | 538.80 |
| C | <u>609.40</u> |
| Total | 5,855.10 |
| Nondirect Shipments | <u>6,215.68</u> |
| Total Volume | 12,070.78 |
| Total Activity (curies) | 3,474.76 |

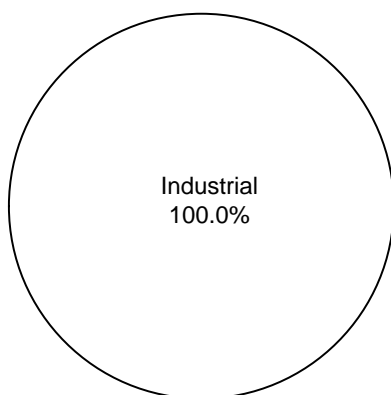


NORTH DAKOTA

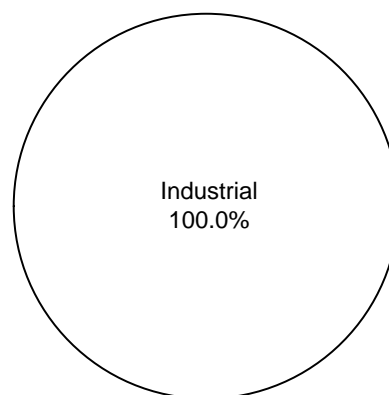
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Generator Category</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|-------------------------------|------------------------------------|------------------------------|
| Industrial | 4.10 | .03 |
| Total | 4.10 | .03 |

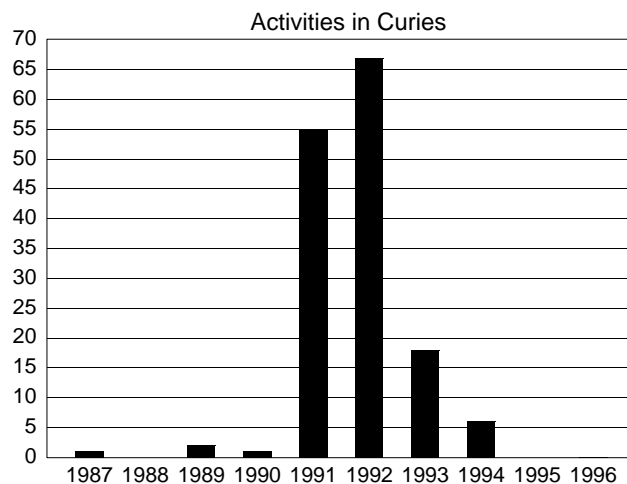
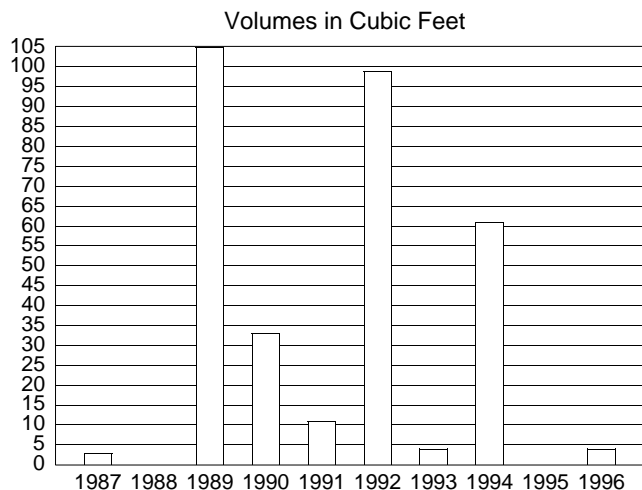
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

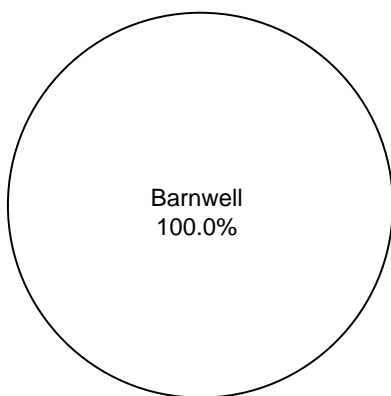


NORTH DAKOTA

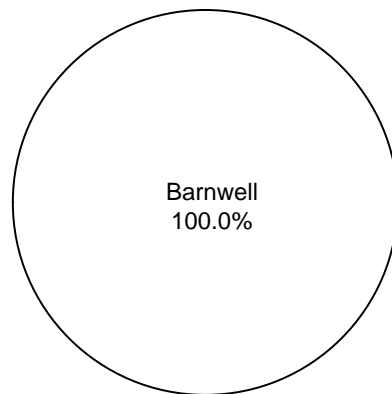
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 4.10 | .03 |
| Total | 4.10 | .03 |

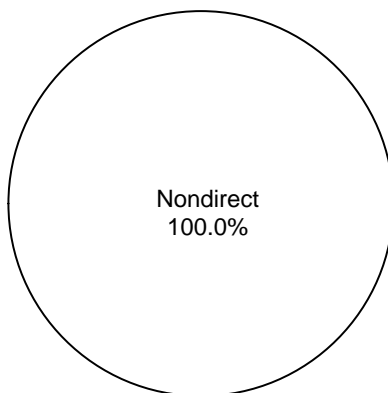
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



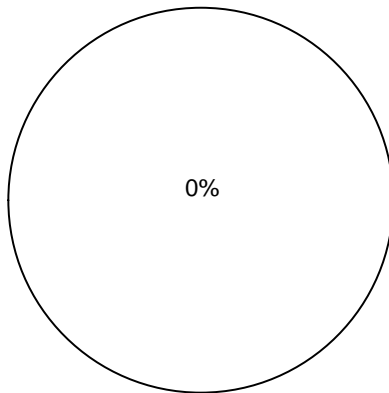
SOUTH DAKOTA

Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

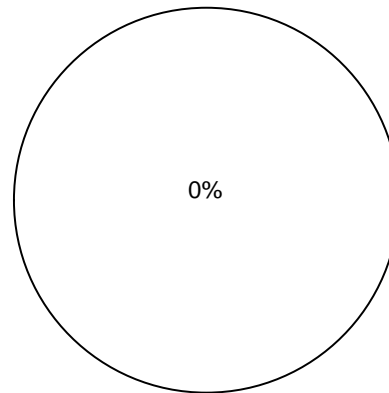
| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
|-----------------------|------------------------------|----------------------|

No LLW Disposed in 1996

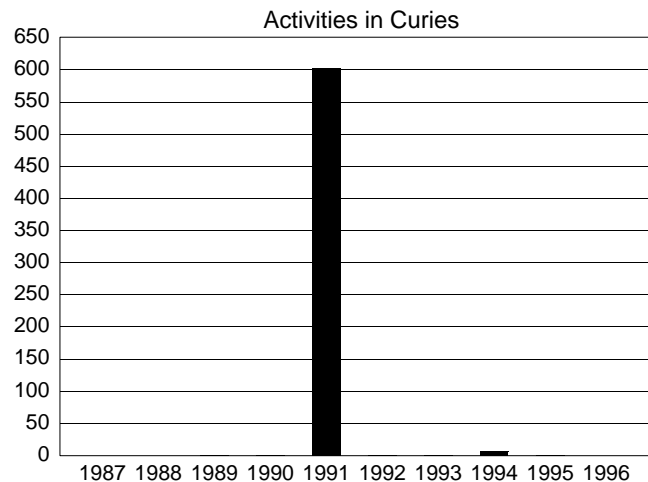
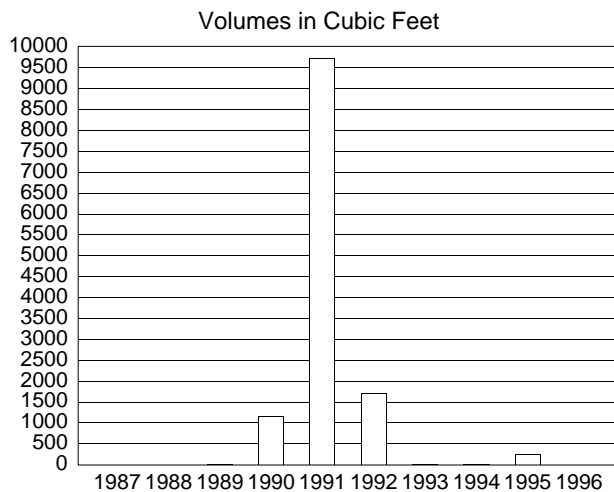
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



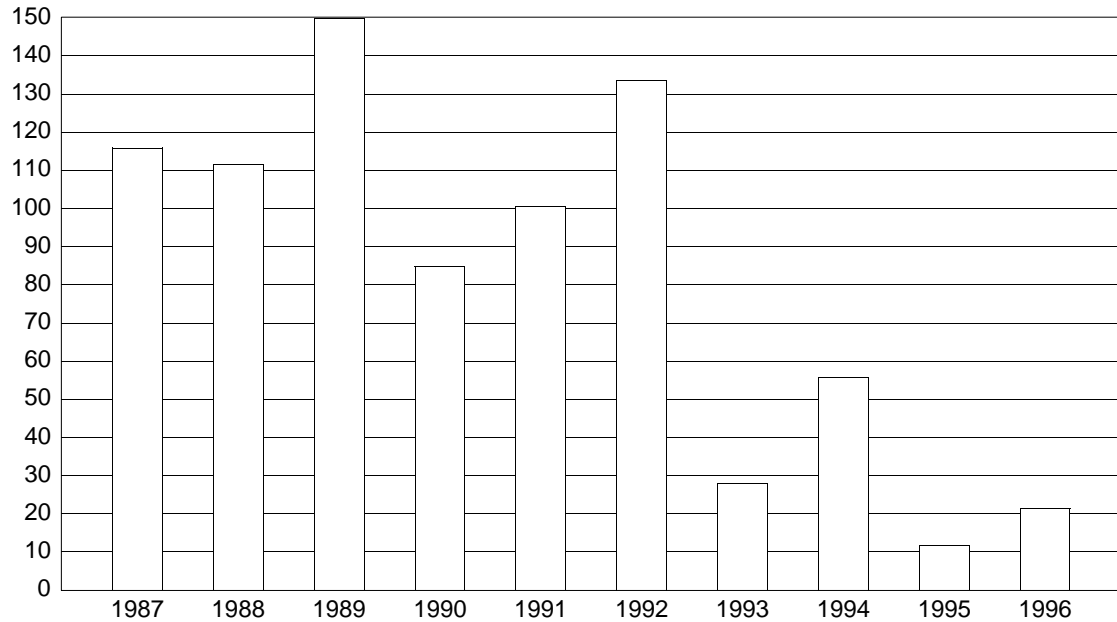
COMPARISON BY YEAR



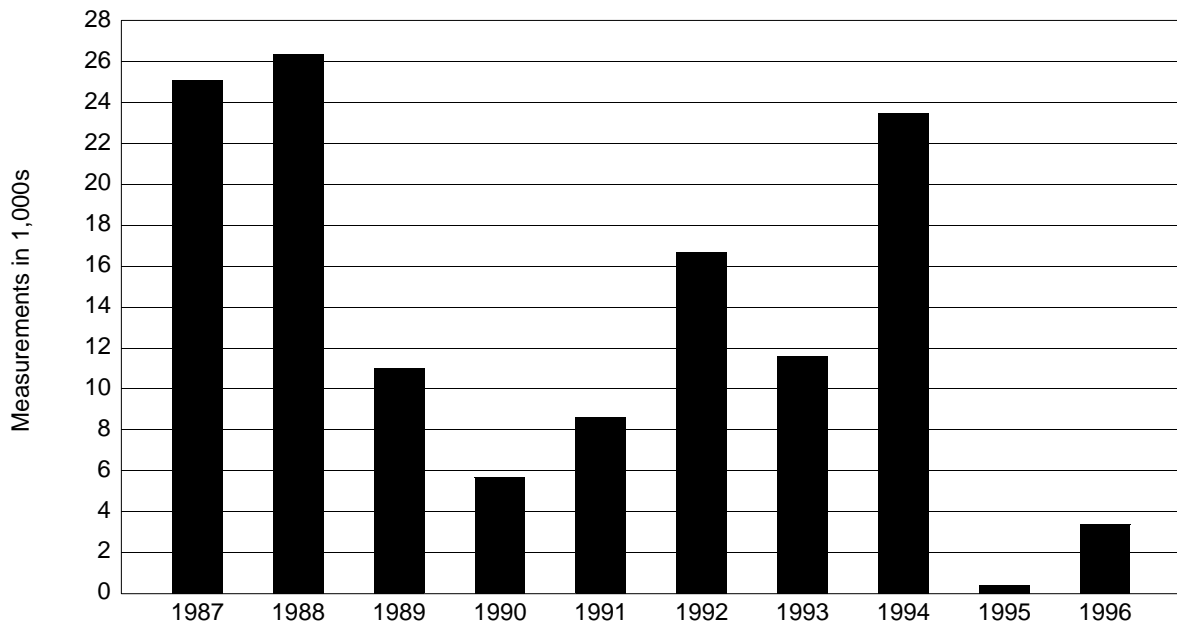
SOUTHWESTERN COMPACT Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported in the Southwestern compact region.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000



UNAFFILIATED STATES
Low-Level Radioactive Wastes Received
at Commercial Disposal Sites in 1996

| States | Volume (ft ³) | Activity (curies) |
|----------------------|------------------------------|----------------------|
| Army Out U.S. | 65.50 | 133.46 |
| District of Columbia | 164.80 | .47 |
| Maine ^a | 3,499.40 | 477.12 |
| Massachusetts | 10,756.09 | 16,627.51 |
| Michigan | 24,951.04 | 41,906.96 |
| New Hampshire | 2.32 | <.1 |
| New York | 16,228.39 | 1,312.36 |
| Puerto Rico | 0 | 0 |
| Rhode Island | 91.13 | .29 |
| South Carolina | 10,273.10 | 2,347.13 |
| Texas ^a | 4,886.60 | 3,941.45 |
| Vermont ^a | 562.60 | 45.77 |
| Total | 71,480.97 | 66,792.52 |

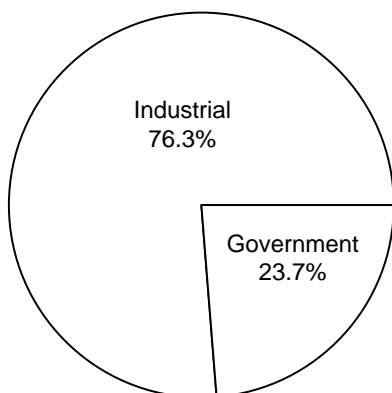
a. Proposed member states for pending Texas Compact.

ARMY OUT U.S.

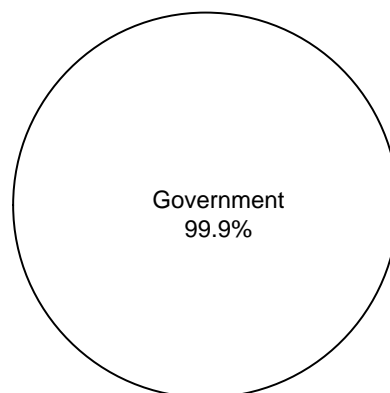
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 15.50 | 133.45 |
| Industrial | 50.00 | <.01 |
| Total | 65.50 | 133.46 |

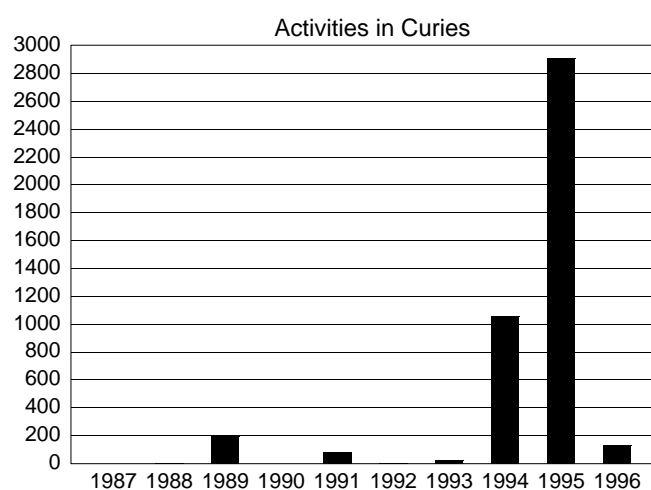
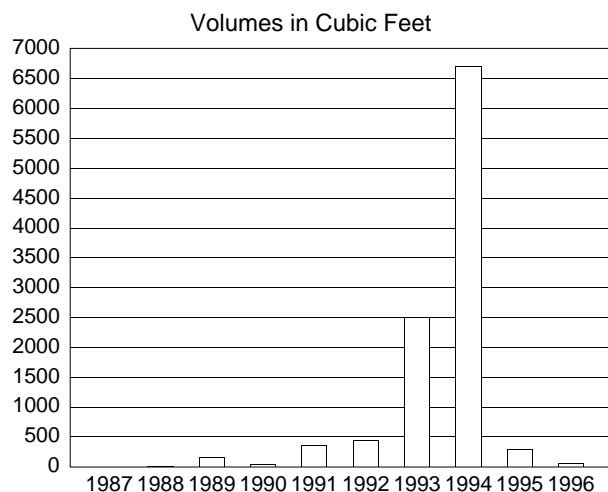
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



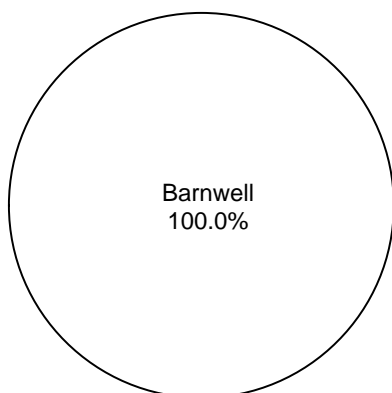
COMPARISON BY YEAR



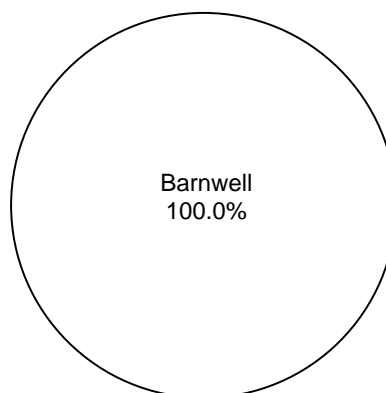
ARMY OUT U.S. **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>65.50</u> | <u>133.46</u> |
| Total | 65.50 | 133.46 |

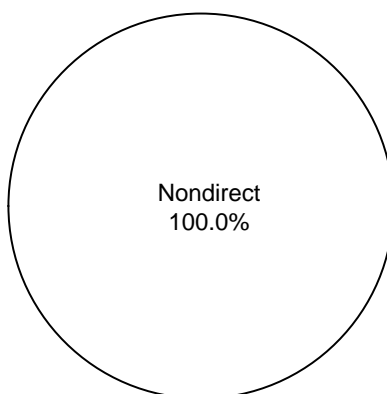
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE
(Percentages <.1% are not displayed)

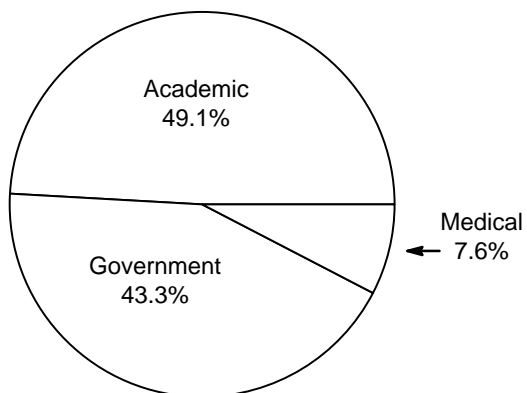


DISTRICT OF COLUMBIA

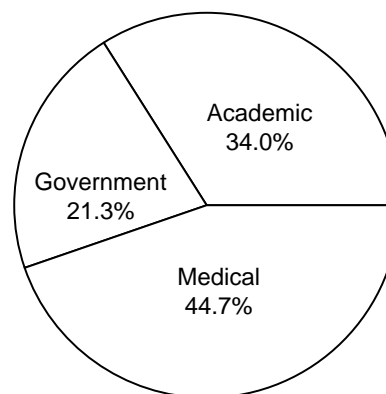
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 80.90 | 0.16 |
| Government | 71.30 | 0.10 |
| Medical | 12.60 | 0.22 |
| Total | 164.80 | 0.47 |

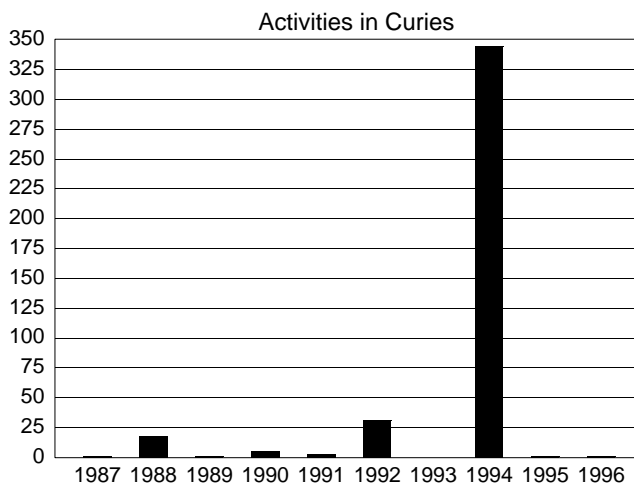
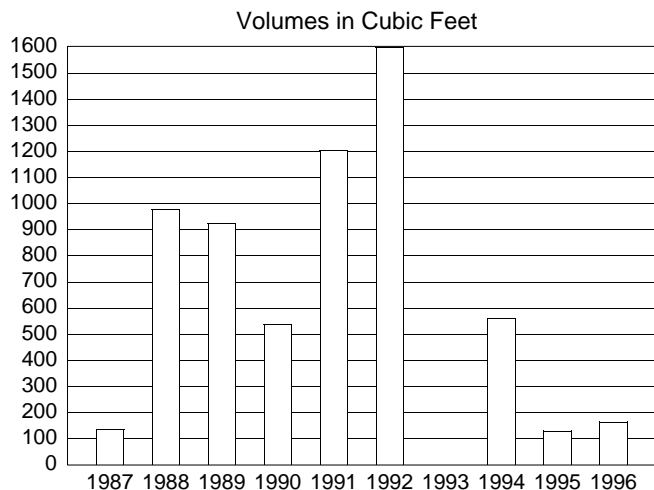
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

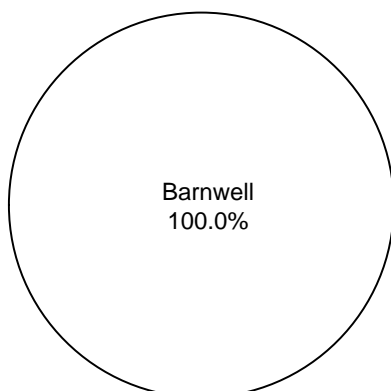


DISTRICT OF COLUMBIA

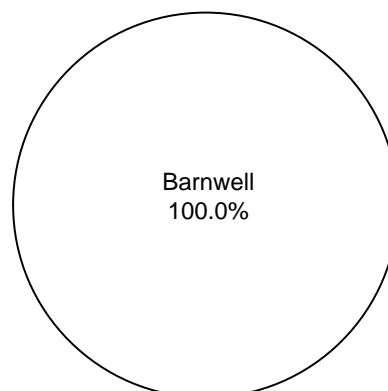
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 164.80 | 0.47 |
| Total | 164.80 | 0.47 |

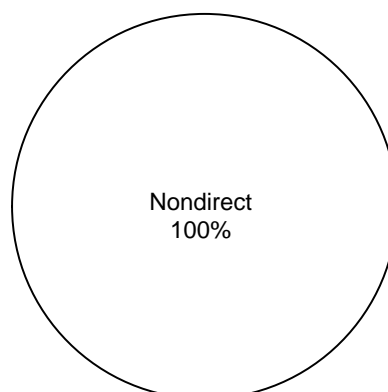
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



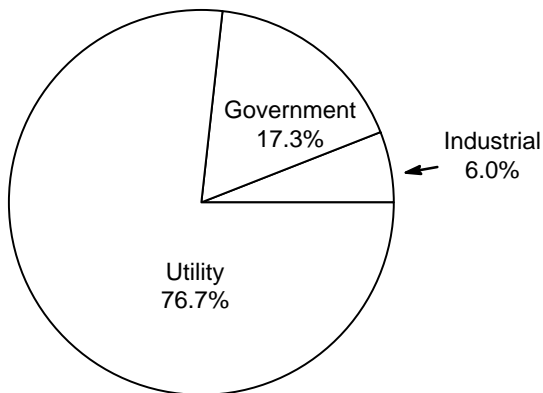
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



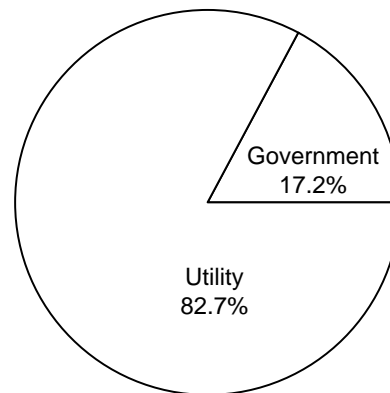
MAINE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 604.60 | 82.16 |
| Industrial | 209.10 | .01 |
| Utility | 2,685.70 | 394.95 |
| Total | 3,499.40 | 477.12 |

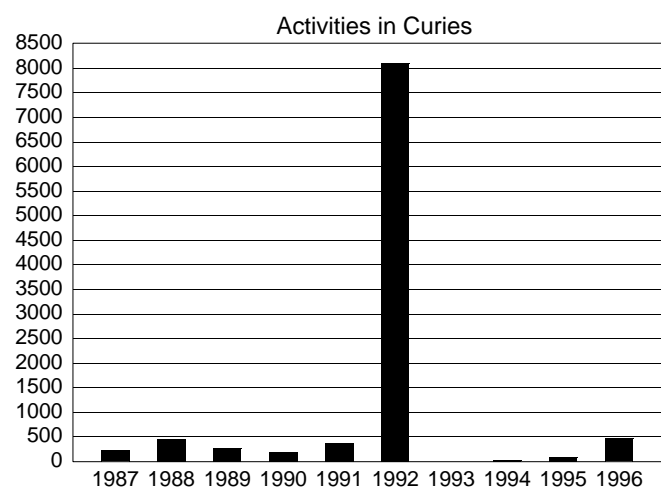
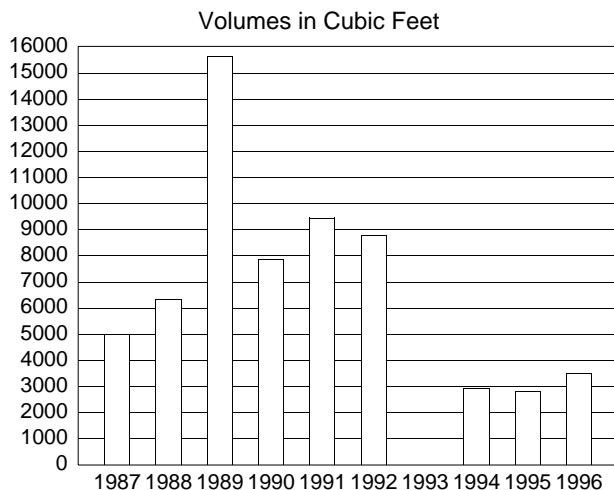
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



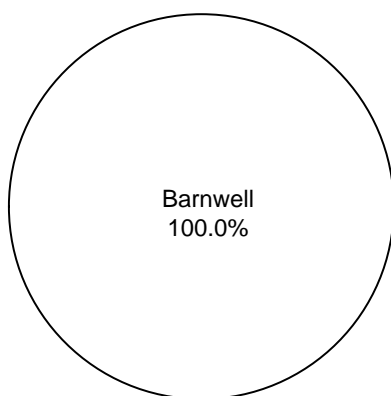
COMPARISON BY YEAR



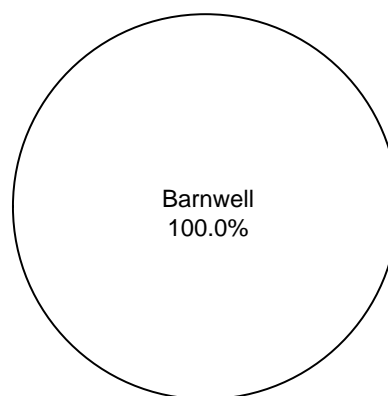
MAINE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|----------------------|--------------------------------|--------------------------|
| Barnwell | <u>3,499.40</u> | <u>477.12</u> |
| Total | 3,499.40 | 477.12 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



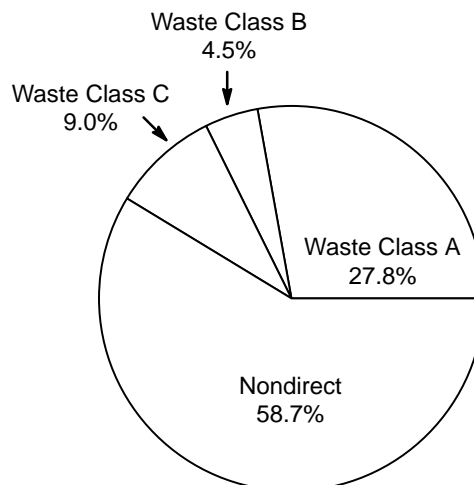
ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE
(Percentages <.1% are not displayed)

Direct Shipment
Waste Class

| | <u>Volume (ft³)</u> |
|-------------------------|--------------------------------|
| A | 971.40 |
| B | 158.10 |
| C | <u>315.30</u> |
| Total | 1,444.80 |
| Nondirect Shipments | <u>2,054.60</u> |
| Total Volume | 3,499.40 |
| Total Activity (curies) | 477.12 |

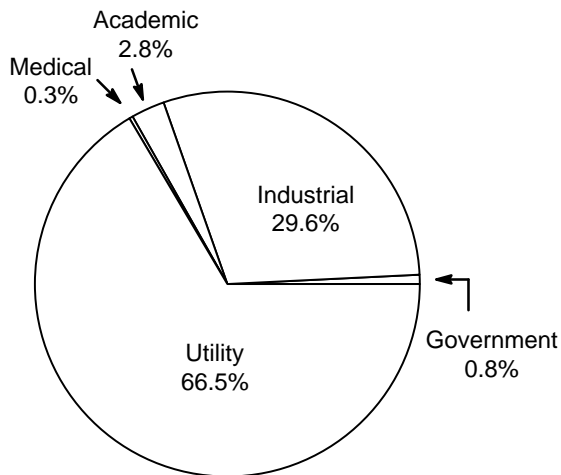


MASSACHUSETTS

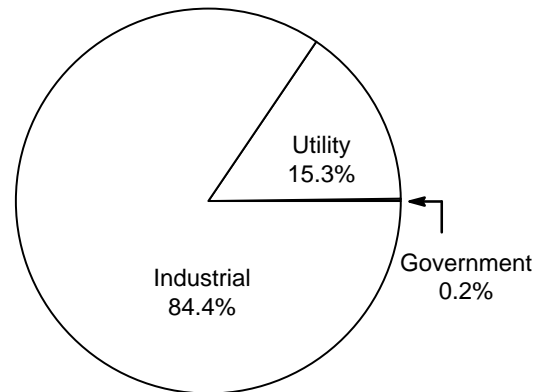
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 297.24 | 2.02 |
| Government | 87.57 | 38.57 |
| Industrial | 3,187.74 | 14,045.30 |
| Medical | 33.35 | .19 |
| Utility | 7,150.19 | 2,541.42 |
| Total | 10,756.09 | 16,627.51 |

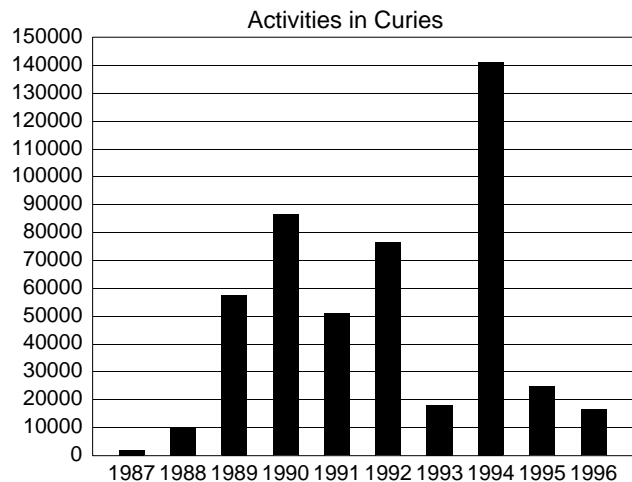
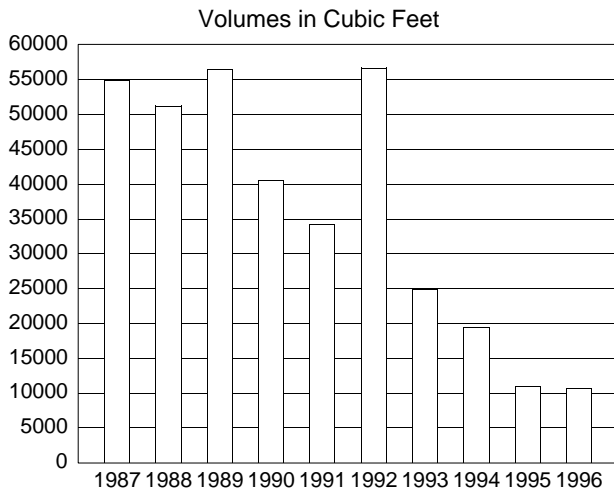
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

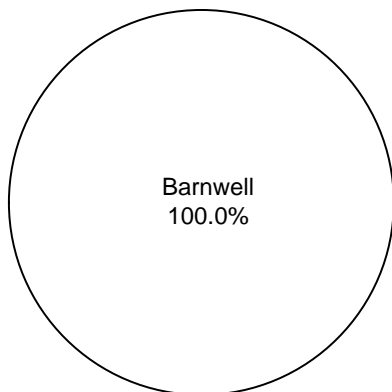


MASSACHUSETTS

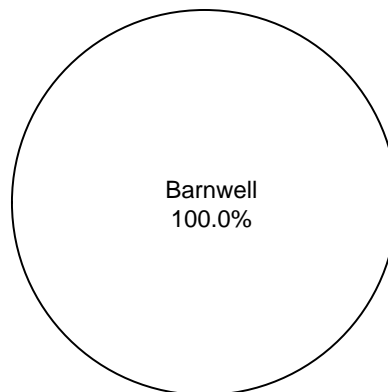
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>10,756.09</u> | <u>16,627.51</u> |
| Total | 10,756.09 | 16,627.51 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



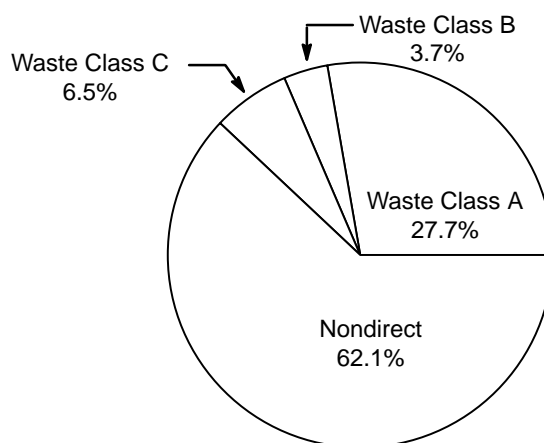
ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



Direct Shipment
Waste Class

| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 2,984.40 |
| B | 396.50 |
| C | <u>701.20</u> |
| Total | 4,082.10 |
| Nondirect Shipments | <u>6,673.99</u> |
| Total Volume | 10,756.09 |
| Total Activity (curies) | 16,627.51 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

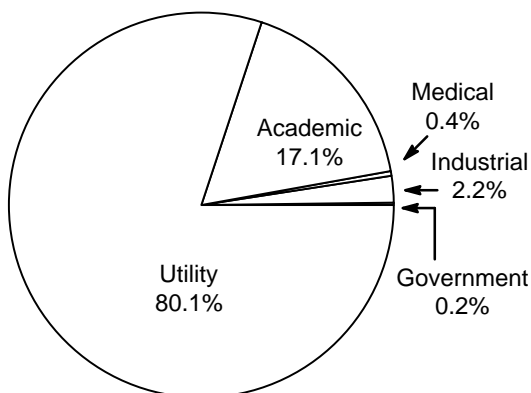


MICHIGAN

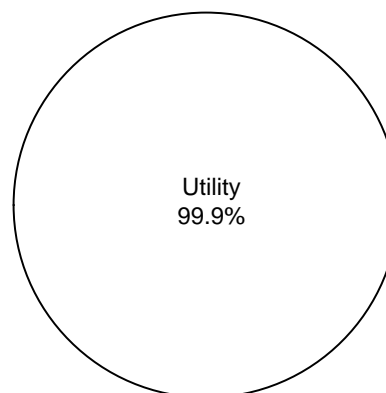
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 4,249.68 | 4.83 |
| Government | 56.24 | .03 |
| Industrial | 553.79 | 17.54 |
| Medical | 98.68 | 1.90 |
| Utility | 19,992.65 | 41,882.65 |
| Total | 24,951.04 | 41,906.96 |

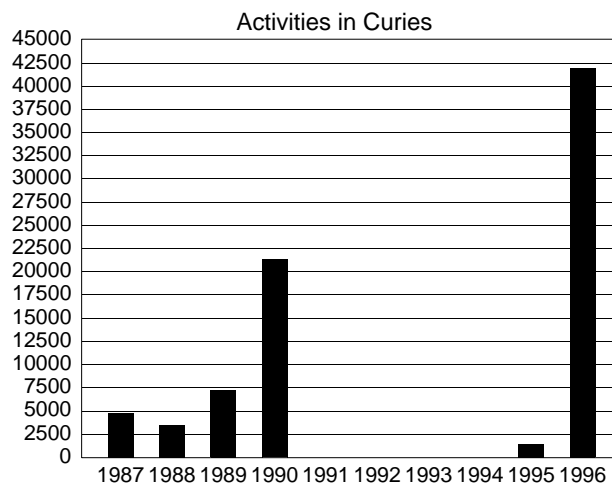
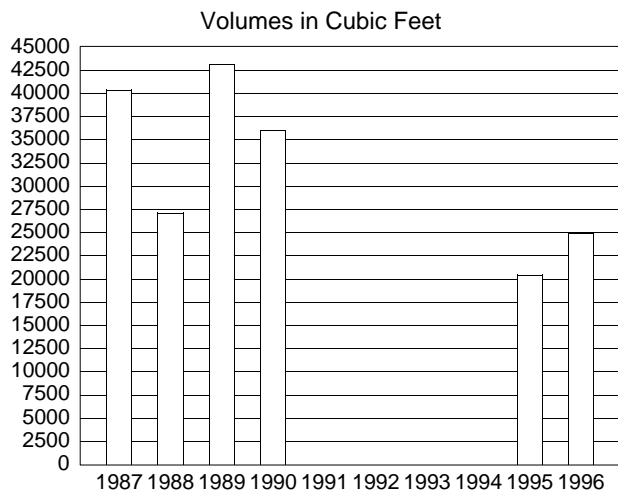
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

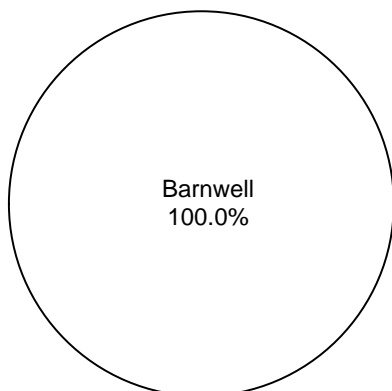


MICHIGAN

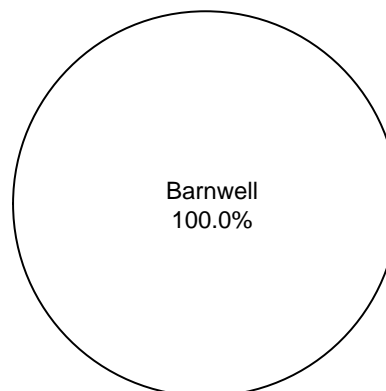
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 24,951.04 | 41,906.96 |
| Total | 24,951.04 | 41,906.96 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

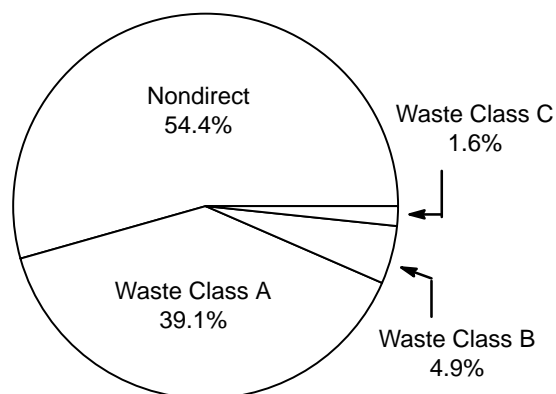


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| Direct Shipment Waste Class | Volume (ft ³) |
|--------------------------------|------------------------------|
| A | 9,760.56 |
| B | 1,212.90 |
| C | 395.80 |
| Total | 11,369.26 |
| Nondirect Shipments | 13,581.78 |
| Total Volume | 24,951.04 |
| Total Activity (curies) | 41,906.96 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

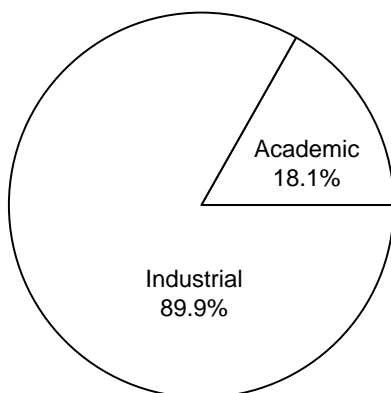


NEW HAMPSHIRE

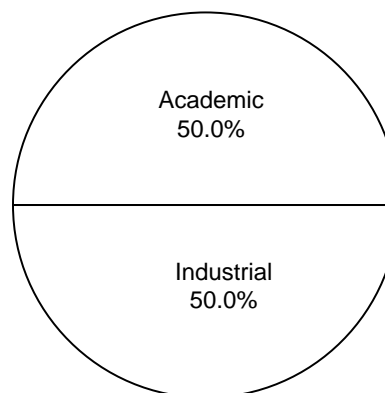
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | .42 | <.01 |
| Industrial | 1.90 | <.01 |
| Total | 2.32 | <1 |

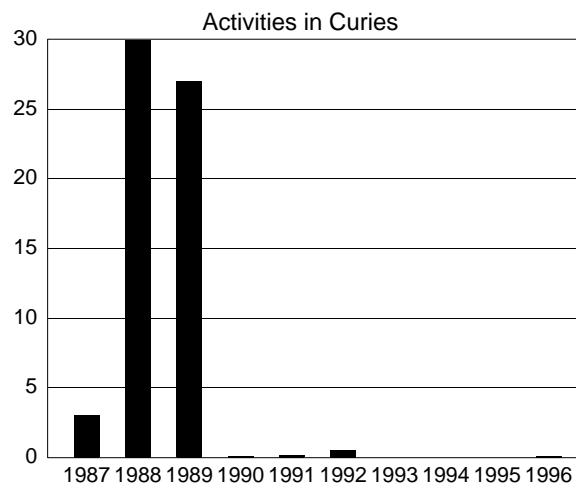
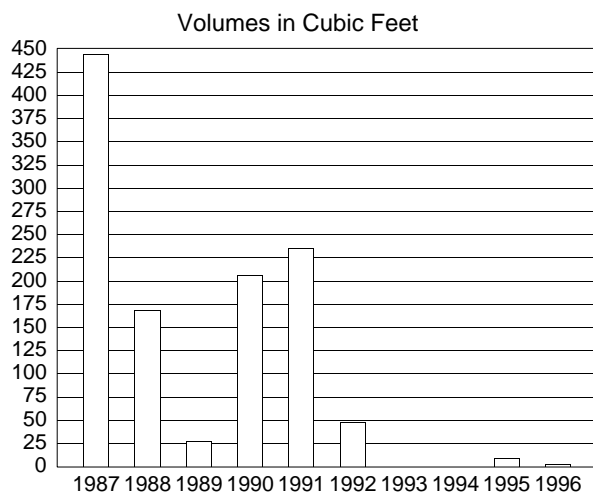
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



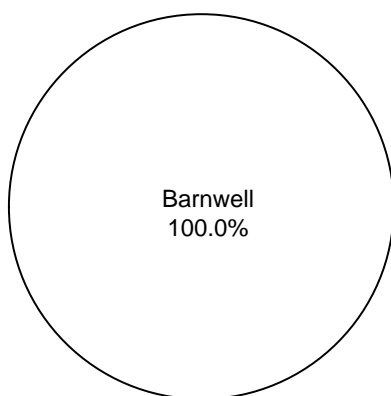
COMPARISON BY YEAR



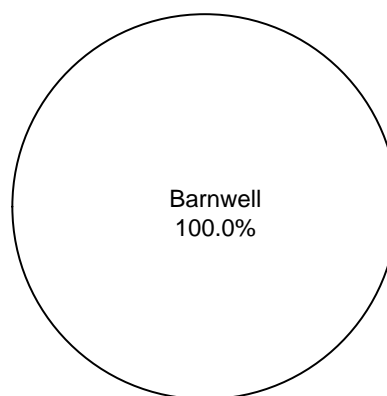
NEW HAMPSHIRE **Low-Level Radioactive Wastes Received** **at Commercial Disposal Sites in 1996**

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>2.32</u> | <u><1</u> |
| Total | 2.32 | <1 |

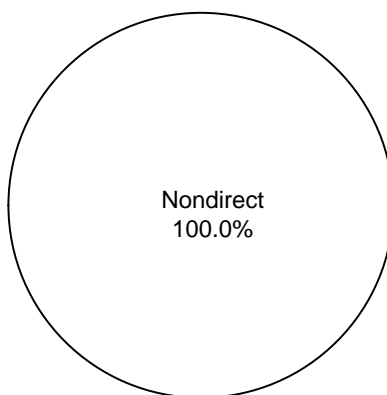
VOLUME PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
 (Percentages <.1% are not displayed)



VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE
 (Percentages <.1% are not displayed)

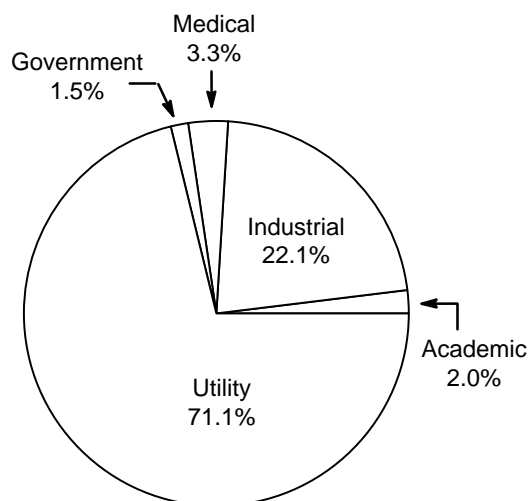


NEW YORK

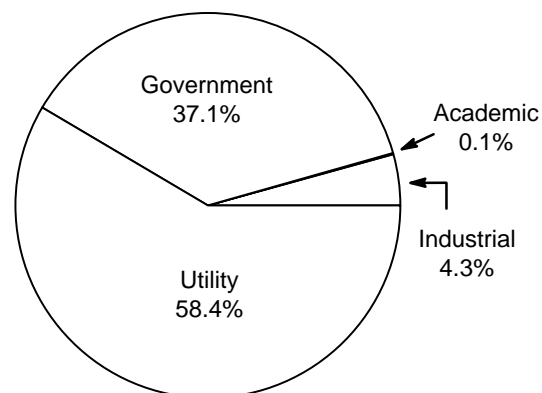
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 329.76 | 2.00 |
| Government | 246.70 | 486.57 |
| Industrial | 3,587.39 | 56.30 |
| Medical | 525.22 | .76 |
| Utility | 11,539.32 | 766.74 |
| Total | 16,228.39 | 1,312.36 |

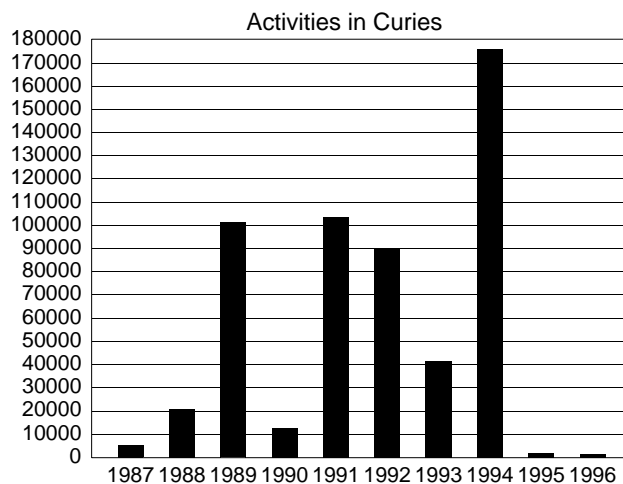
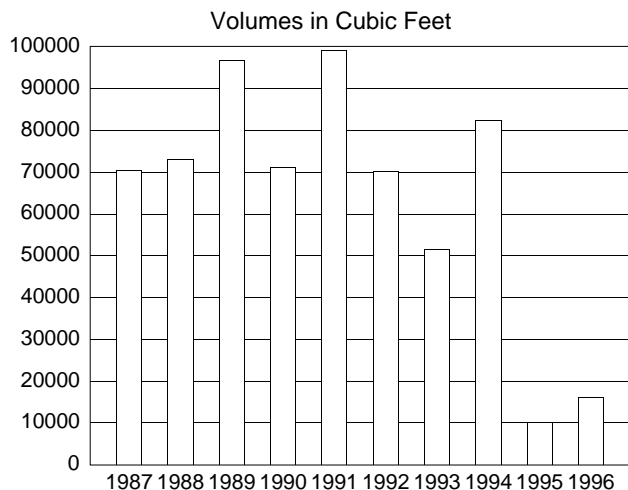
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

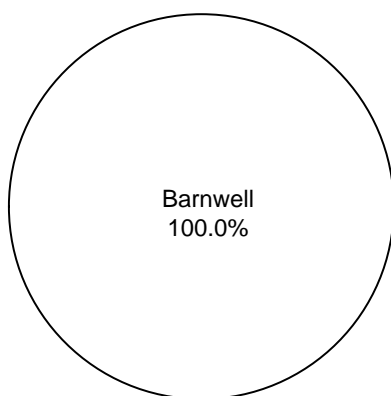


NEW YORK

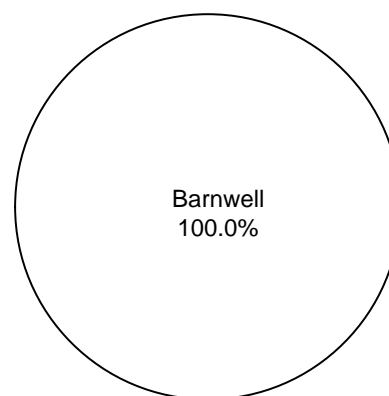
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 16,228.39 | 1,312.36 |
| Total | 16,228.39 | 1,312.36 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



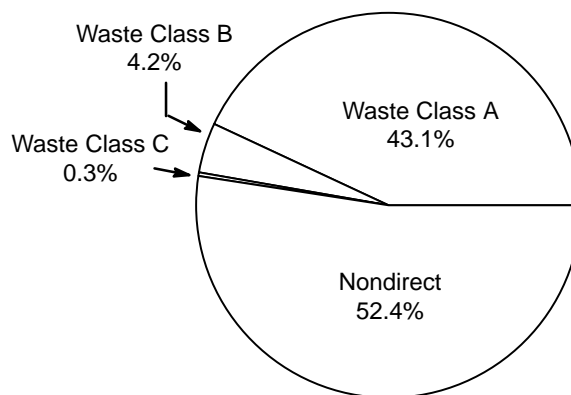
ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

| Direct Shipment Waste Class | |
|--------------------------------|--|
| A | |
| B | |
| C | |
| Total | |
| Nondirect Shipments | |
| Total Volume | |
| Total Activity (curies) | |

| Volume (ft ³) |
|------------------------------|
| 6,994.80 |
| 677.10 |
| 57.40 |
| 7,729.30 |
| 8,499.09 |
| 16,228.39 |
| 1,312.36 |

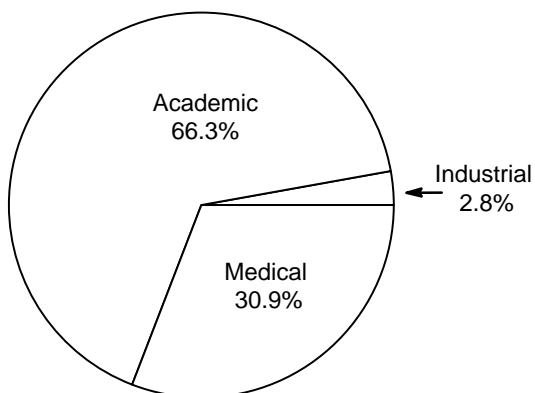


RHODE ISLAND

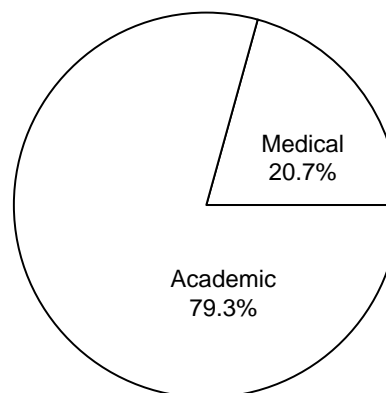
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 60.42 | .23 |
| Industrial | 2.51 | <.01 |
| Medical | 28.20 | .06 |
| Total | 91.13 | .29 |

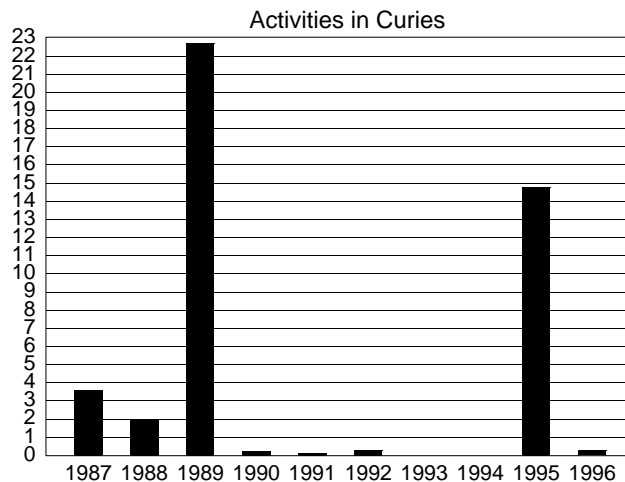
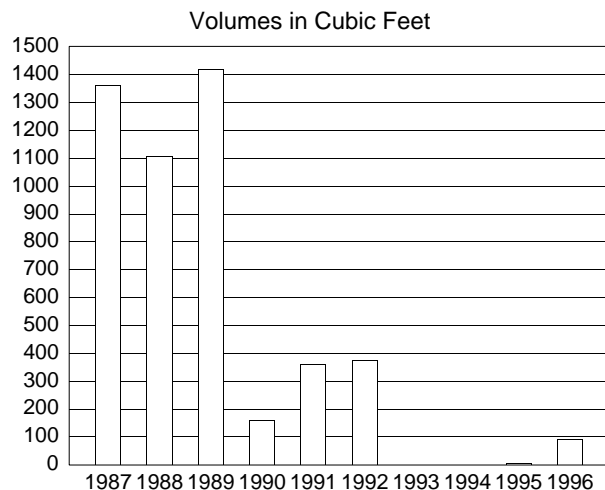
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

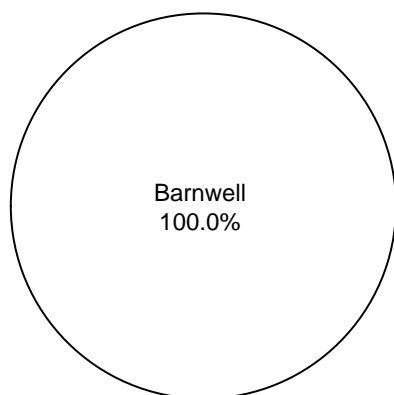


RHODE ISLAND

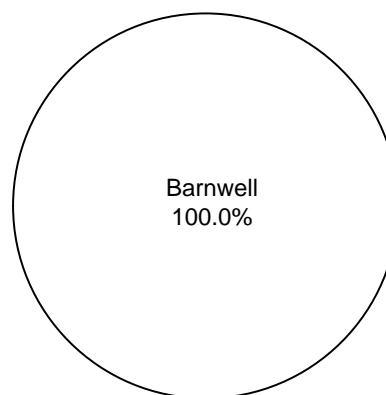
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 91.13 | .29 |
| Total | 91.13 | .29 |

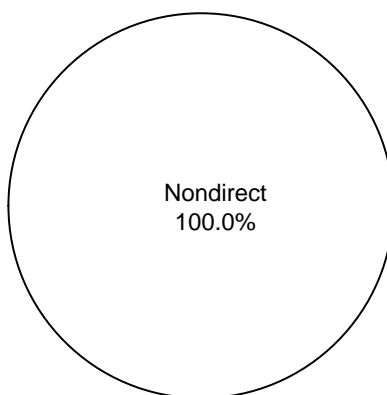
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

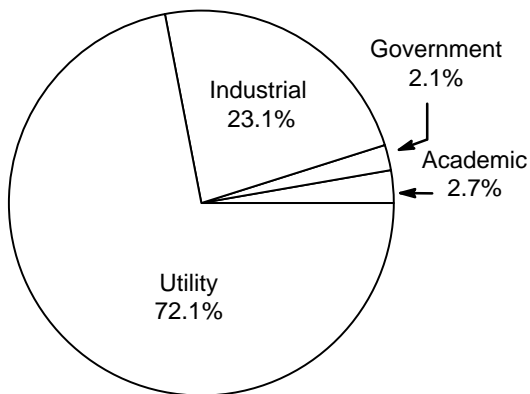


SOUTH CAROLINA

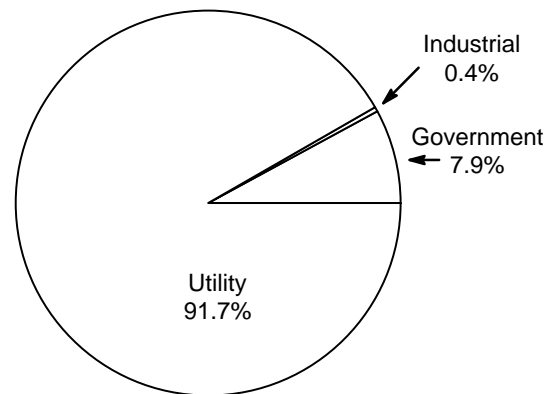
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 272.00 | .89 |
| Government | 215.90 | 184.42 |
| Industrial | 2,374.14 | 8.57 |
| Utility | 7,411.06 | 2,153.25 |
| Total | 10,273.10 | 2,347.13 |

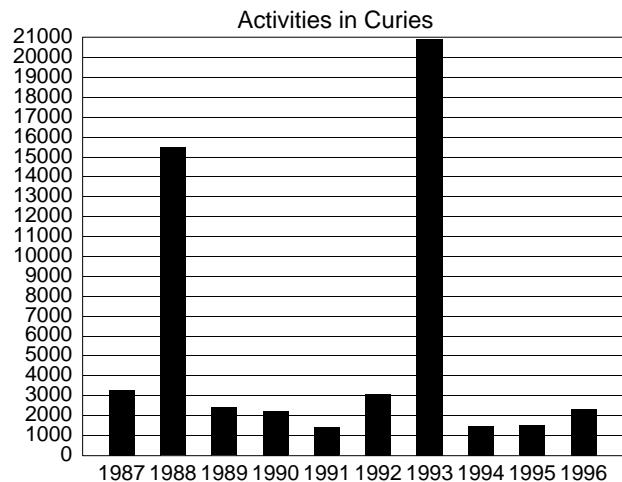
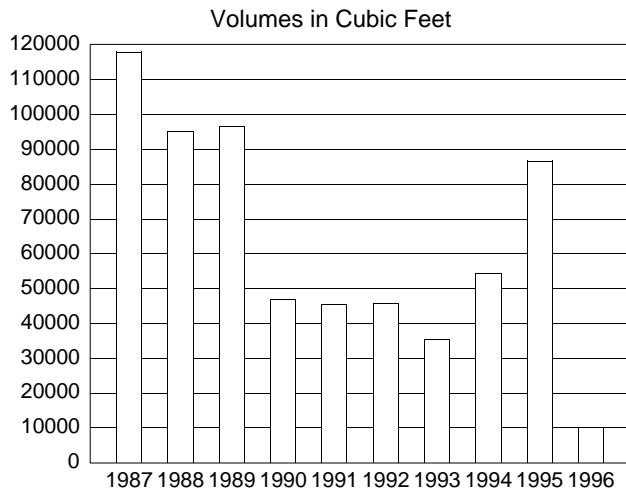
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

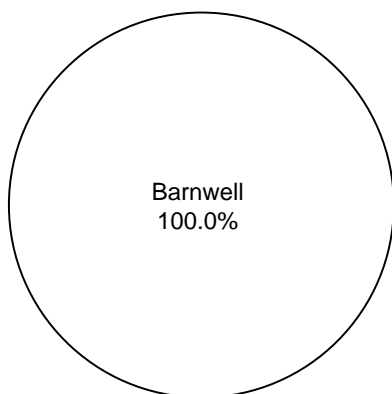


SOUTH CAROLINA

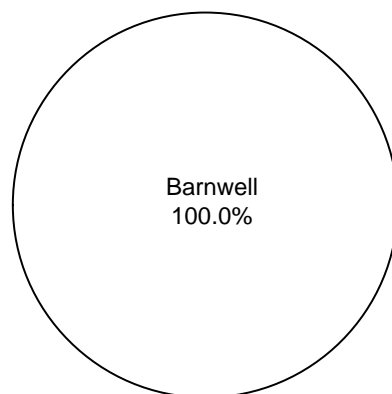
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>10,273.10</u> | <u>2,347.13</u> |
| Total | 10,273.10 | 2,347.13 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)

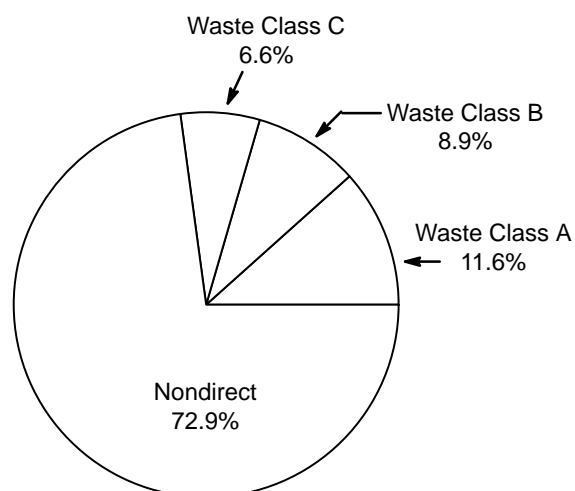


ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



| <u>Direct Shipment Waste Class</u> | <u>Volume (ft³)</u> |
|--|------------------------------------|
| A | 1,188.10 |
| B | 918.80 |
| C | <u>679.50</u> |
| Total | 2,786.40 |
| Nondirect Shipments | <u>7,486.70</u> |
| Total Volume | 10,273.10 |
| Total Activity (curies) | 2,347.13 |

**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

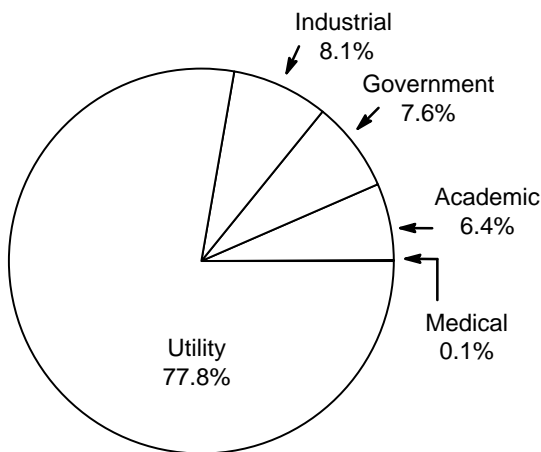


TEXAS

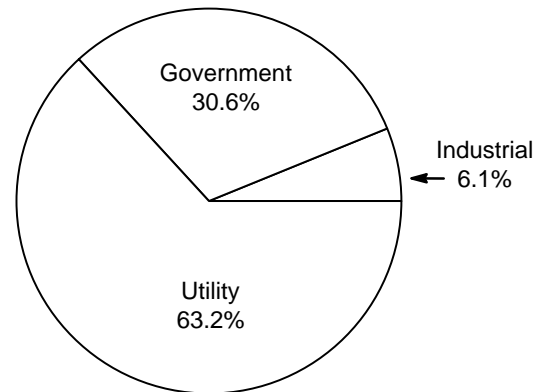
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Academic | 311.76 | 1.56 |
| Government | 371.40 | 1,207.79 |
| Industrial | 396.38 | 240.82 |
| Medical | 3.59 | .10 |
| Utility | 3,803.47 | 2,491.19 |
| Total | 4,886.60 | 3,941.45 |

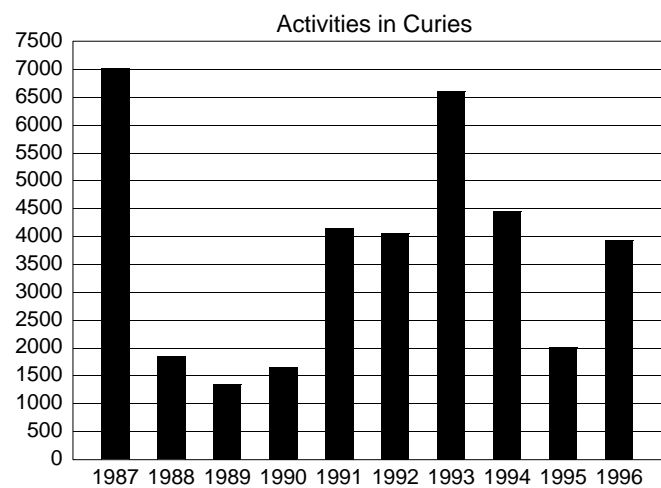
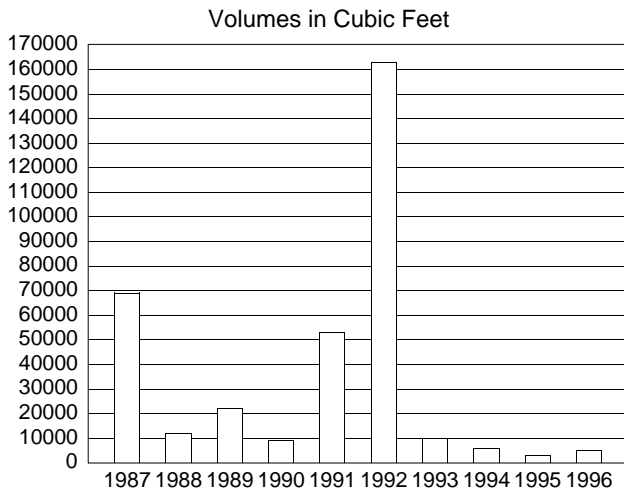
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

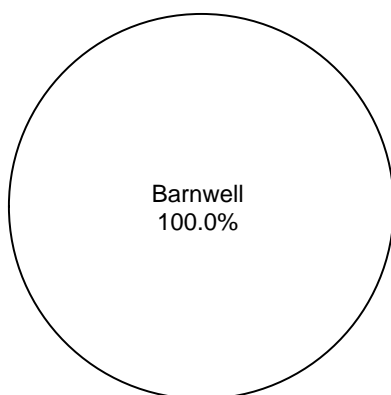


TEXAS

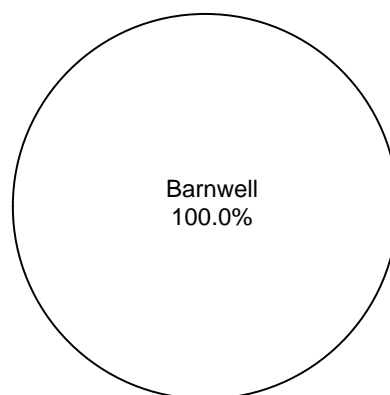
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| <u>Disposal Site</u> | <u>Volume (ft³)</u> | <u>Activity (curies)</u> |
|--------------------------|------------------------------------|------------------------------|
| Barnwell | <u>4,886.60</u> | <u>3,941.45</u> |
| Total | 4,886.60 | 3,941.45 |

VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



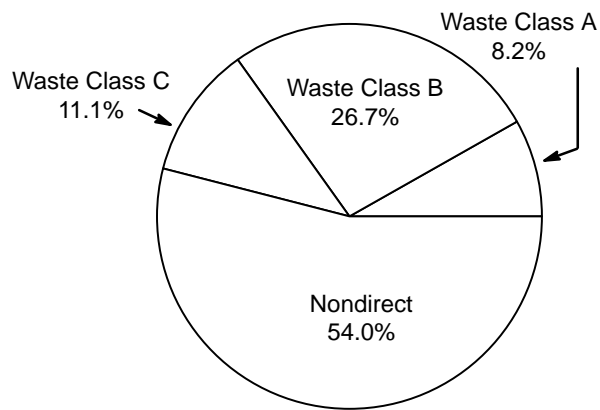
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)

Direct Shipment
Waste Class

A
B
C
Total
Nondirect Shipments
Total Volume
Total Activity (curies)

Volume
(ft³)

401.00
1,305.70
543.70
2,250.40
2,636.20
4,886.60
3,941.45

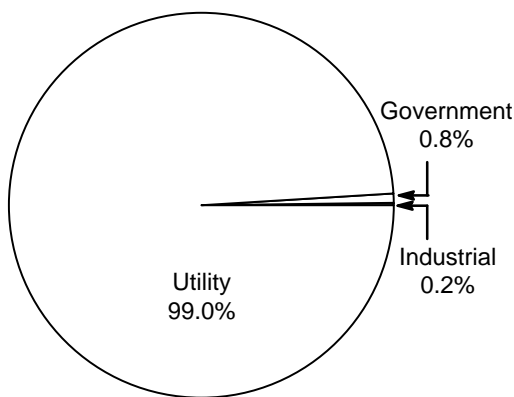


VERMONT

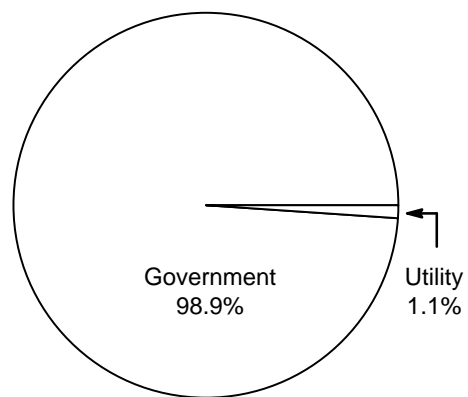
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Generator Category | Volume (ft ³) | Activity (curies) |
|-----------------------|------------------------------|----------------------|
| Government | 4.60 | 45.27 |
| Industrial | 1.10 | <.01 |
| Utility | 556.90 | .50 |
| Total | 562.60 | 45.77 |

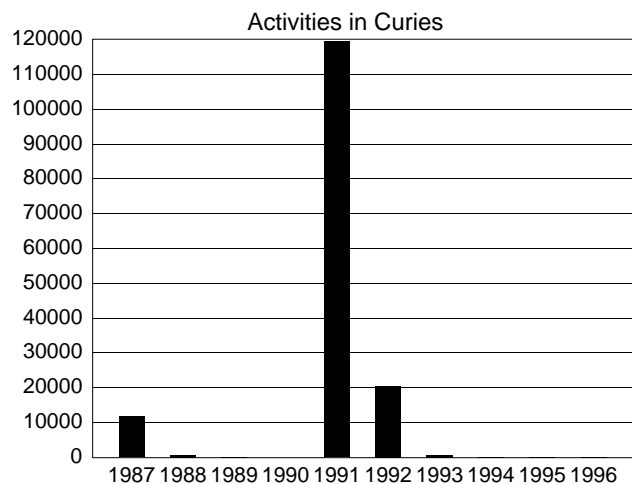
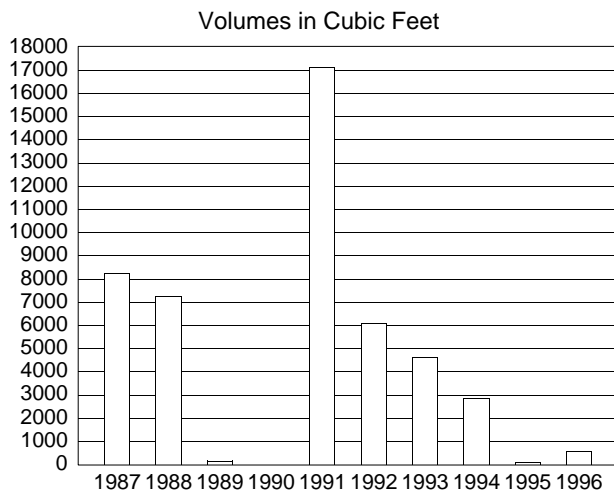
VOLUME PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY SOURCE
(Percentages <.1% are not displayed)



COMPARISON BY YEAR

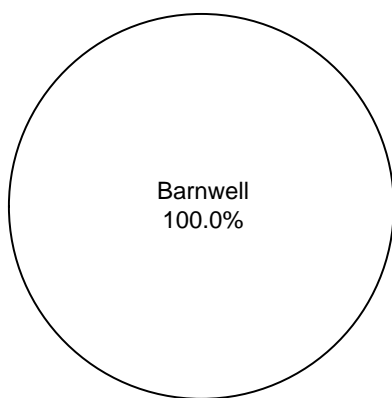


VERMONT

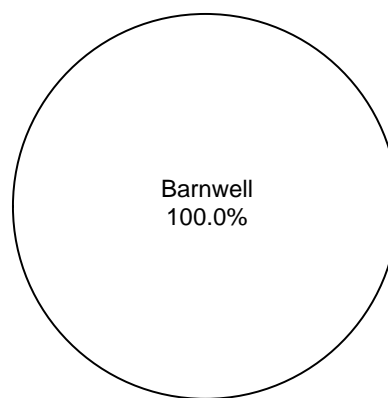
Low-Level Radioactive Wastes Received at Commercial Disposal Sites in 1996

| Disposal Site | Volume (ft ³) | Activity (curies) |
|------------------|------------------------------|----------------------|
| Barnwell | 562.60 | 45.77 |
| Total | 562.60 | 45.77 |

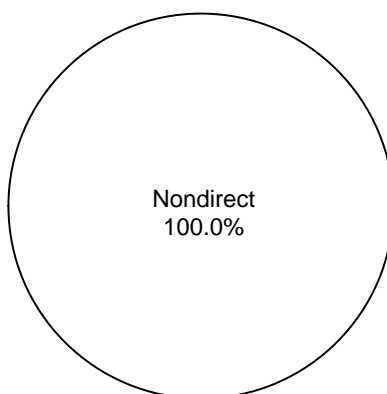
VOLUME PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



ACTIVITY PERCENTAGE BY DISPOSAL SITE
(Percentages <.1% are not displayed)



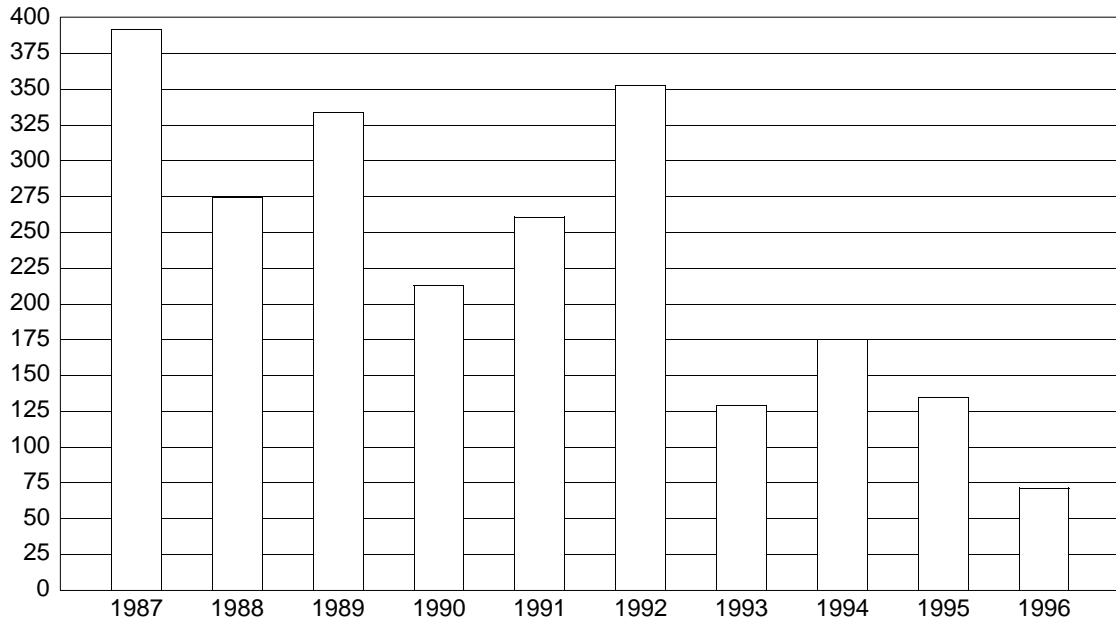
**VOLUME PERCENTAGE BY WASTE CLASS
FOR DIRECT SHIPMENTS AND TOTAL
NONDIRECT VOLUME PERCENTAGE**
(Percentages <.1% are not displayed)



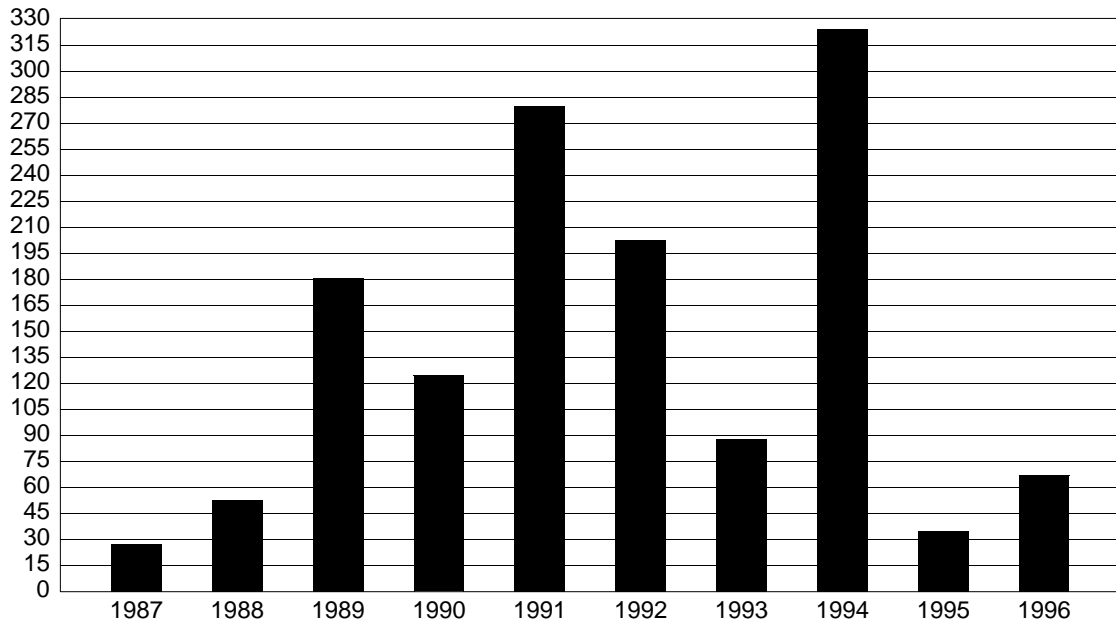
UNAFFILIATED STATES Comparison By Year

NOTE: The years 1987 through 1996 include all states currently being reported as unaffiliated states.

Volumes in Cubic Feet x 1000



Activities in Curies x 1000



APPENDIX B

WASTE VOLUME COMPARISON BY STATE, RADIOACTIVITY COMPARISON BY STATE, AND COMMERCIAL NUCLEAR POWER REACTORS IN THE UNITED STATES

Table B-1. Waste volume comparison by state, 1992-1996, as reported by disposal site operators.

| State | Volume (ft ³) | | | | |
|----------------------|------------------------------|--------|--------|--------|--------|
| | 1992 | 1993 | 1994 | 1995 | 1996 |
| Alabama | 20,351 | 13,077 | 14,194 | 14,056 | 9,267 |
| Alaska | 143 | 447 | 44 | 0 | 10 |
| Arizona | 19,001 | 8,153 | 8,300 | <1 | 9,329 |
| Arkansas | 6,497 | 2,890 | 6,258 | 1,943 | 571 |
| Army Out U.S. | 445 | 2,506 | 6,716 | 300 | 66 |
| California | 112,946 | 19,804 | 47,458 | 11,521 | 12,071 |
| Colorado | 33,863 | 38,659 | 17,589 | 68,988 | 4,672 |
| Connecticut | 53,032 | 14,602 | 12,737 | 6,216 | 10,871 |
| Delaware | 988 | 500 | 375 | 58 | 127 |
| District of Columbia | 1,598 | <1 | 562 | 130 | 165 |
| Florida | 23,535 | 12,527 | 11,977 | 6,136 | 6,220 |
| Georgia | 29,344 | 13,232 | 19,428 | 18,327 | 13,406 |
| Hawaii | 2,932 | 2,361 | 1,900 | 2,634 | 1,572 |
| Idaho | 51 | 324 | 27 | 1,460 | 0 |
| Illinois | 285,023 | 66,515 | 61,224 | 57,762 | 51,771 |
| Indiana | 2,733 | 967 | 1,623 | 101 | 329 |
| Iowa | 5,448 | 2,007 | 3,179 | 2,058 | 3,639 |
| Kansas | 8,196 | 2,726 | 1,981 | 926 | 1,185 |
| Kentucky | 2,195 | 468 | 333 | 91 | 442 |
| Louisiana | 24,744 | 7,161 | 15,632 | 6,768 | 5,378 |
| Maine | 8,789 | 0 | 2,940 | 2,808 | 3,499 |
| Maryland | 17,854 | 11,364 | 8,421 | 4,429 | 3,391 |
| Massachusetts | 56,734 | 24,964 | 19,486 | 10,978 | 10,756 |
| Michigan | 0 | 0 | 0 | 20,459 | 24,951 |
| Minnesota | 40,194 | 5,057 | 1,932 | 2,467 | 3,215 |
| Mississippi | 12,623 | 7,372 | 7,128 | 10,030 | 5,601 |
| Missouri | 11,315 | 3,189 | 5,897 | 1,423 | 2,917 |
| Montana | 140 | 0 | 10 | 8 | 0 |
| Nebraska | 12,617 | 11,768 | 2,634 | 2,385 | 5,013 |
| Nevada | 134 | 0 | 280 | 76 | 118 |
| New Hampshire | 48 | 0 | 0 | 9 | 2 |
| New Jersey | 38,032 | 21,077 | 22,501 | 14,184 | 15,805 |
| New Mexico | 3,483 | 12 | 402 | 891 | 50 |
| New York | 70,272 | 51,623 | 82,583 | 10,114 | 16,228 |
| North Carolina | 61,777 | 37,028 | 30,707 | 25,011 | 0 |

Table B-1. (continued).

| State | Volume (ft ³) | | | | |
|----------------|------------------------------|---------|---------|---------|---------|
| | 1992 | 1993 | 1994 | 1995 | 1996 |
| North Dakota | 99 | 4 | 61 | 0 | 4 |
| Ohio | 22,207 | 6,677 | 11,668 | 8,822 | 7,091 |
| Oklahoma | 28,062 | 195 | 467 | 138 | 152 |
| Oregon | 147,682 | 99,828 | 32,179 | 74,820 | 52,082 |
| Pennsylvania | 93,050 | 48,624 | 51,465 | 35,200 | 24,203 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 374 | 0 | 0 | 6 | 91 |
| South Carolina | 45,782 | 35,476 | 54,544 | 86,775 | 10,273 |
| South Dakota | 1,712 | 9 | 5 | 246 | 0 |
| Tennessee | 83,792 | 84,658 | 154,301 | 78,810 | 41,313 |
| Texas | 162,844 | 9,801 | 5,880 | 2,935 | 4,887 |
| Utah | 5,380 | 6,524 | 5,849 | 4,498 | 4,925 |
| Vermont | 6,090 | 4,633 | 2,863 | 120 | 563 |
| Virginia | 92,747 | 72,522 | 50,498 | 40,130 | 17,663 |
| Washington | 79,290 | 38,593 | 66,259 | 51,606 | 33,696 |
| West Virginia | 192 | 27 | 82 | 4 | 35 |
| Wisconsin | 6,896 | 2,225 | 5,892 | 1,051 | 2,397 |
| Wyoming | 3 | 0 | 206 | 53 | 1 |
| Total | 1,743,279 | 792,177 | 858,677 | 689,957 | 422,013 |

Table B-2. Waste radioactivity comparison by state, 1992-1996, as reported by disposal site operators.

| State | Radioactivity (ci) | | | | |
|----------------------|-----------------------|---------|---------|--------|---------|
| | 1992 | 1993 | 1994 | 1995 | 1996 |
| Alabama | 53,669 | 67,949 | 9,034 | 78,340 | 22,281 |
| Alaska | 568 | <1 | 5 | 0 | 603 |
| Arizona | 997 | 680 | 453 | 0 | 16 |
| Arkansas | 32,562 | 4,860 | 473 | 8 | 303 |
| Army Out U.S. | 4 | 20 | 1,056 | 2,914 | 133 |
| California | 15,730 | 10,914 | 23,132 | 409 | 3,475 |
| Colorado | 32,978 | 30,007 | 4,521 | 553 | 77 |
| Connecticut | 29,392 | 5,378 | 889 | 841 | 3,088 |
| Delaware | 1 | 45 | 69 | <1 | 6 |
| District of Columbia | 31 | <1 | 345 | <1 | 1 |
| Florida | 996 | 13,052 | 3,280 | 2,444 | 1,418 |
| Georgia | 40,312 | 218,851 | 167,310 | 13,798 | 122,520 |
| Hawaii | 3 | 3 | 50 | 1,821 | 1 |
| Idaho | 2 | 2 | 94 | <1 | 0 |
| Illinois | 103,273 | 37,718 | 32,136 | 7,044 | 57,329 |
| Indiana | 27 | 7 | 129 | 36 | 10 |
| Iowa | 42,085 | 51,342 | 1,633 | 209 | 552 |
| Kansas | 1,319 | 1,440 | 2,297 | 398 | 3,996 |
| Kentucky | 26 | 510 | 285 | 20 | 462 |
| Louisiana | 4,683 | 255 | 1,878 | 13,244 | 799 |
| Maine | 8,110 | 0 | 17 | 78 | 477 |
| Maryland | 8,421 | 5,019 | 1,440 | 346 | 349 |
| Massachusetts | 76,588 | 18,012 | 141,110 | 24,903 | 16,628 |
| Michigan | 0 | 0 | 0 | 1,438 | 41,907 |
| Minnesota | 59,979 | 1,450 | 1,739 | 365 | 1,406 |
| Mississippi | 2,669 | 493 | 660 | 1,543 | 2,818 |
| Missouri | 1,128 | 444 | 1,200 | 183 | 150 |
| Montana | 7 | 0 | <1 | 0 | 0 |
| Nebraska | 101,284 | 1,063 | 992 | 407 | 32,751 |
| Nevada | 18 | 0 | 4 | <1 | 2 |
| New Hampshire | 1 | 0 | 0 | 0 | <1 |
| New Jersey | 47,959 | 8,587 | 5,727 | 996 | 907 |
| New Mexico | 56 | <1 | 6 | 2 | 4 |
| New York | 90,377 | 41,643 | 175,843 | 1,951 | 1,312 |
| North Carolina | 57,505 | 2,502 | 68,213 | 3,310 | 0 |

Table B-2. (continued).

| State | Radioactivity (ci) | | | | |
|----------------|-----------------------|---------|---------|---------|---------|
| | 1992 | 1993 | 1994 | 1995 | 1996 |
| North Dakota | 67 | 18 | 6 | 0 | <1 |
| Ohio | 3,440 | 2,370 | 583 | 553 | 50,021 |
| Oklahoma | 60 | 623 | 64 | <1 | <1 |
| Oregon | 742 | 331 | 48 | 1,279 | 357 |
| Pennsylvania | 141,248 | 84,347 | 93,730 | 5,692 | 71,901 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | <1 | 0 | 0 | 15 | <1 |
| South Carolina | 3,088 | 20,943 | 1,476 | 1,504 | 2,347 |
| South Dakota | <1 | <1 | 7 | <1 | 0 |
| Tennessee | 1,595 | 243 | 194 | 777 | 645 |
| Texas | 4,057 | 6,605 | 4,462 | 2,010 | 3,941 |
| Utah | 108 | <1 | 80 | 22 | <1 |
| Vermont | 20,513 | 740 | 158 | 135 | 46 |
| Virginia | 1,154 | 3,305 | 2,402 | 951 | 10,375 |
| Washington | 10,663 | 1,078 | 1,264 | 923 | 631 |
| West Virginia | 31 | 6 | <1 | 5 | <1 |
| Wisconsin | 571 | 345 | 879 | 348 | 153 |
| Wyoming | 5 | 0 | 6 | <1 | 13 |
| Total | 1,000,102 | 643,207 | 751,379 | 171,816 | 456,211 |

Table B-3. Commercial nuclear power reactors in the United States, as of December 31, 1996.

| State Name | Facility Name | Units | Type |
|-------------|--|-------|-------------------|
| Alabama | • Browns Ferry Nuclear Power Station | 1,2&3 | BWR ^b |
| | • Joseph M. Farley Nuclear Plant | 1&2 | PWR ^c |
| Arizona | • Palo Verde Nuclear Generating Station | 1,2&3 | PWR |
| Arkansas | • Arkansas Nuclear One | 1&2 | PWR |
| California | • Diablo Canyon Nuclear Power Plant | 1&2 | PWR |
| | • Humboldt Bay Power Plant (closed 1976) | | BWR |
| | • Rancho Seco Nuclear Generating Station (closed 1989) | | PWR |
| | • San Onofre Nuclear Generating Station (Unit 1 closed 1992) | 2&3 | PWR |
| Colorado | • Ft. St. Vrain Nuclear Generating Station (closed 1989) | | HTGR ^d |
| Connecticut | • Haddam Neck Plant (closed 7/22/1996) | | PWR |
| | • Millstone Nuclear Power Station | 1 | BWR |
| | • Millstone Nuclear Power Station | 2&3 | PWR |
| Florida | • Crystal River Nuclear Plant | 3 | PWR |
| | • St. Lucie Plant | 1&2 | PWR |
| | • Turkey Point Plant | 3&4 | PWR |
| Georgia | • Edwin I. Hatch Nuclear Plant | 1&2 | BWR |
| | • Alvin W. Vogtle Jr. Nuclear Plant | 1&2 | PWR |
| Illinois | • Byron Nuclear Power Station | 1&2 | PWR |
| | • Clinton Power Station | 1 | BWR |
| | • Dresden Nuclear Power Station (Unit 1 closed 1978) | 2&3 | BWR |
| | • LaSalle County Station | 1&2 | BWR |
| | • Quad Cities Station | 1&2 | BWR |
| | • Zion Nuclear Plant | 1&2 | PWR |
| | • Braidwood Station | 1&2 | PWR |
| Iowa | • Duane Arnold Energy Center | 1 | BWR |
| Kansas | • Wolf Creek Generating Station | 1 | PWR |
| Louisiana | • River Bend Station | 1 | BWR |
| | • Waterford Generating Station | 3 | PWR |

Table B-3. (continued).

| State Name | Facility Name | Units | Type |
|----------------|--|----------------------|---------------------------------|
| Maine | • Maine Yankee Atomic Power Plant | 1 | PWR |
| Maryland | • Calvert Cliffs Nuclear Power Plant | 1&2 | PWR |
| Massachusetts | • Pilgrim Nuclear Power Station • Yankee Nuclear Power Station (closed 1991) | 1 | BWR PWR |
| Michigan | • Big Rock Point Nuclear Plant • Donald C. Cook Nuclear Power Plant • Fermi Atomic Power Plant • Palisades Nuclear Plant | 1 1&2 2 1 | BWR PWR BWR PWR |
| Minnesota | • Monticello Nuclear Generating Plant • Prairie Island Nuclear Generating Plant | 1 1&2 | BWR PWR |
| Mississippi | • Grand Gulf Nuclear Station | 1 | BWR |
| Missouri | • Callaway Plant | 1 | PWR |
| Nebraska | • Cooper Nuclear Station • Fort Calhoun Station | 1 1 | BWR PWR |
| New Hampshire | • Seabrook Nuclear Station | 1 | PWR |
| New Jersey | • Hope Creek Nuclear Generating Station • Oyster Creek Nuclear Power Plant • Salem Nuclear Generating Station | 1 1 1&2 | BWR BWR PWR |
| New York | • James A. FitzPatrick Nuclear Power Plant • Robert Emmett Ginna Nuclear Power Plant • Indian Point Station (Unit 1 closed 1974) • Nine Mile Point Nuclear Station • Shoreham Nuclear Power Station (closed 1989) | 1 1 2&3 1&2 | BWR PWR PWR BWR BWR |
| North Carolina | • Brunswick Steam Electric Plant • McGuire Nuclear Station • Shearon Harris Nuclear Power Plant | 1&2 1&2 1 | BWR PWR PWR |
| Ohio | • Davis-Besse Nuclear Power Station • Perry Nuclear Power Plant | 1 1 | PWR BWR |
| Oregon | • Trojan Nuclear Plant (closed 1992) | | PWR |

Table B-3. (continued).

| State Name | Facility Name | Units | Type |
|----------------|---|--------|------|
| Pennsylvania | • Beaver Valley Power Station | 1&2 | PWR |
| | • Limerick Generating Station | 1&2 | BWR |
| | • Peach Bottom Atomic Power Station | 2&3 | BWR |
| | • Susquehanna Steam Electric Station | 1&2 | BWR |
| | • Three Mile Island Nuclear Station | 1 | PWR |
| South Carolina | • Catawba Nuclear Station | 1&2 | PWR |
| | • Oconee Nuclear Plant | 1,2,&3 | PWR |
| | • H. B. Robinson Plant | 2 | PWR |
| | • Virgil C. Summer Nuclear Station | 1 | PWR |
| Tennessee | • Sequoyah Nuclear Plant | 1&2 | PWR |
| | • Watts Bar Nuclear Plant | 1 | PWR |
| Texas | • South Texas Project | 1&2 | PWR |
| | • Comanche Peak | 1&2 | PWR |
| Vermont | • Vermont Yankee Nuclear Power Station | 1 | BWR |
| Virginia | • North Anna Power Station | 1&2 | PWR |
| | • Surry Power Station | 1&2 | PWR |
| Washington | • Washington Nuclear Project | 2 | BWR |
| Wisconsin | • Kewaunee Nuclear Power Plant | 1 | PWR |
| | • La Crosse Nuclear Generating Station (closed 1987) | | BWR |
| | • Point Beach Nuclear Plant | 1&2 | PWR |

- a. “World List of Nuclear Power Plants,” Nuclear News, March, 1997/Vol. 40/No.3.
- b. BWR = Boiling-Water Reactor.
- c. PWR = Pressurized-Water Reactor.
- d. HTGR = High Temperature Gas Reactor.

APPENDIX C

**STATE RADIATION PROGRAM
REPRESENTATIVES**

Table C-1. State radiation program representatives.

| <u>State</u> | <u>Draft Report Sent to:</u> |
|----------------------|------------------------------|
| Alabama | K. E. Whatley |
| Alaska | C. F. Tedford |
| Arizona | A. V. Godwin |
| Arkansas | G. J. Dicus |
| California | E. D. Bailey |
| Colorado | R. M. Quillin |
| Connecticut | K. T. A. McCarthy |
| Delaware | A. C. Tapert |
| District of Columbia | J. Murphy |
| Florida | L. Jerrett |
| Georgia | T. E. Hill |
| Hawaii | R. S. Takata |
| Idaho | M. Mays |
| Illinois | P. Eastvold |
| Indiana | D. Nauth |
| Iowa | D. A. Flater |
| Kansas | G. W. Allen |
| Kentucky | J. A. Volpe |
| Louisiana | W. Spell |
| Maine | W. C. Toppan |
| Maryland | R. G. Fletcher |
| Massachusetts | R. Hallisey |
| Michigan | G. W. Bruchmann |
| Minnesota | J. Ball |
| Mississippi | E. S. Fuente |
| Missouri | G. McNutt |
| Montana | A. C. Howe |
| Nebraska | H. R. Borchert |
| Nevada | S. R. Marshall |
| New Hampshire | D. E. Tefft |
| New Jersey | J. Lipoti |
| New Mexico | B. Garcia |
| New York | P. J. Merges |
| North Carolina | D. H. Brown |
| North Dakota | D. K. Mount |
| Ohio | R. E. Owen |
| Oklahoma | D. McHard |

Table C-1. (continued).

| <u>State</u> | <u>Draft Report Sent to</u> |
|----------------|-----------------------------|
| Oregon | R. D. Paris |
| Pennsylvania | W. P. Dornsife |
| Puerto Rico | D. Saldana |
| Rhode Island | M. Stoeckel |
| South Carolina | M. Batavia |
| South Dakota | D. Micklos |
| Tennessee | M. H. Mobley |
| Texas | R. Ratliff |
| Utah | W. Sinclair |
| Vermont | R. N. McCandless |
| Virginia | L. P. Foldesi |
| Washington | T. R. Strong |
| West Virginia | B. L. DeBord |
| Wisconsin | P. Schmidt |
| Wyoming | R. Fransen |
